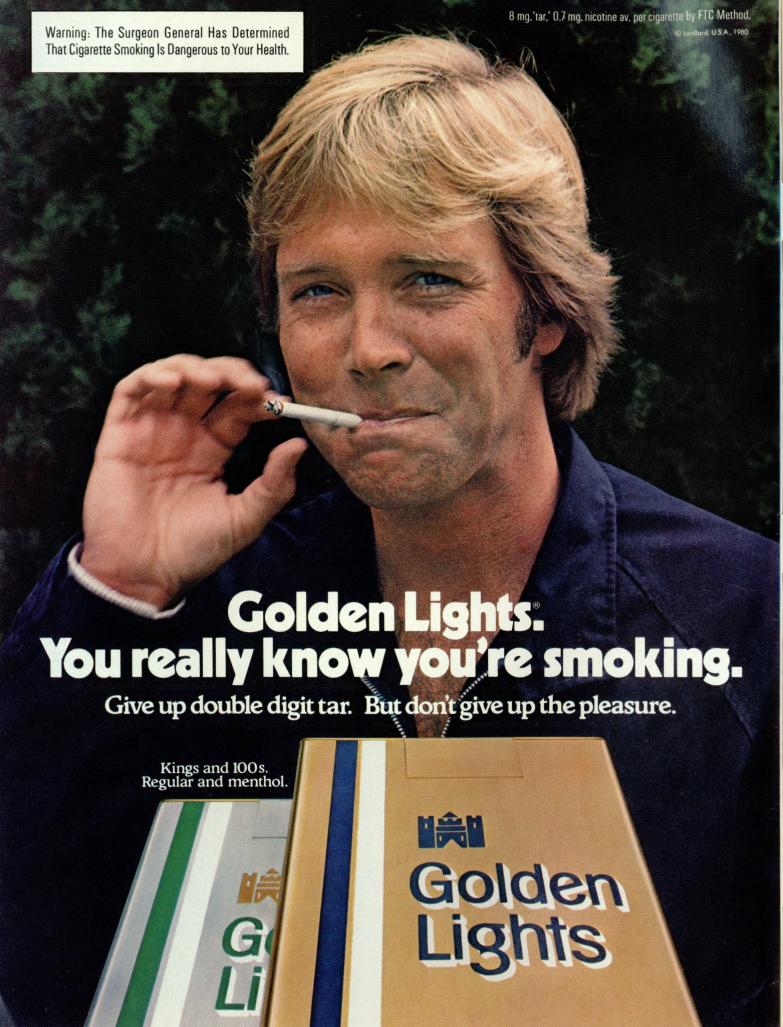
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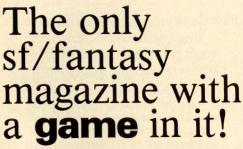




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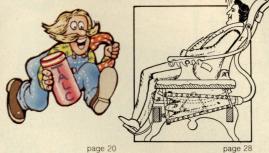
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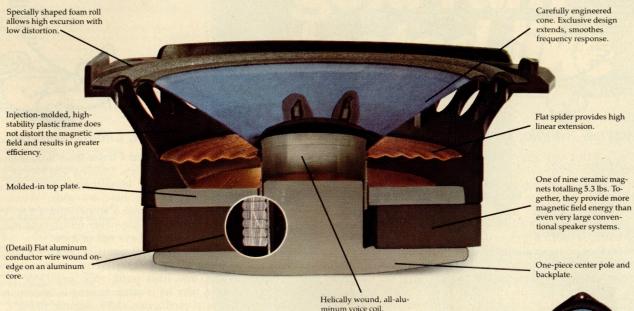
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Mixed Bag ★☆

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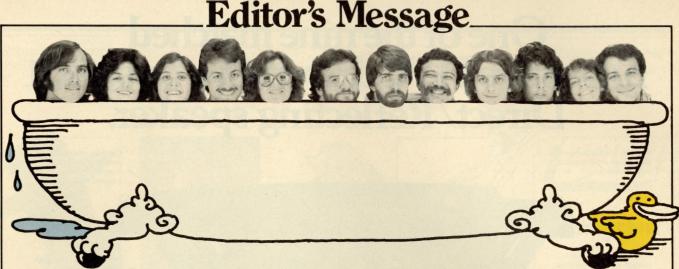
sign go into the driver alone, you can imagine what goes into the complete 901 Direct/Reflecting®











Wayne, Ronnie, Lisa, Will, Stephanie, Dave, Jamie, Jake, Phil, Curt, Lillian, and me.

Yes, it's that time again. This issue marks the third anniversary of *Games*, and here you are again, captive at another unabashedly joyous birthday party. Most magazines have the good sense to celebrate themselves only once every 12 or 52 issues. But *Games* isn't just any magazine. Sure, it *looks* like a magazine all right; it *smells* exactly like *People* (with whom it shares a printing press); and it swats flies no less well than *The New Republic*. It is even ranked by *Media Industry Newsletter* as the fastest growing newsstand magazine in the country. And yet we have the lingering suspicion that *Games* may really not be a magazine at all, but something new and different for which a category has not yet been invented.

The people who create this bimonthly aberration are themselves a rather peculiar bunch. Their devotion to what many people would consider a frivolous waste of time is truly inspiring. Take Wayne, for example. Once a successful lawyer, he is now Keeper of the Laundry Basket and Chief Justice of Eureka. He devises our original game boards, draws up the ground rules for our contests, and only occasionally slips away for a weekend of shogi in England or skiing in Vermont. He is currently hard at work thinking up questions for the next Calculatrivia.

Or Ronnie. Cast in the role of Egyptian priestess in a former incarnation, she came back voluntarily to help us unravel the annoying little knots of daily existence while continuing to strive for excellence and grace. It is she who runs the magazine, or rather dances it, while waiting patiently for her asparagus to come up, planted, like *Games*, three years ago.

Lisa. Ah, Lisa, the Wild Card Lady. Her good cheer and vigilance are legend. And she's a good speller, too, of which we have precious few. She likes romantic French movies, and she will be wed this fall to a fine young man who works down the block at Bantam Books. (They met on the bus.)

Will, who oversees the entire Pencilwise section, was a puzzling person in his own right even before joining *Games*. With Stephanie (his able assistant) and two other friends, he is laying plans for an American Crossword Puzzle Society, which will present annual awards—aptly called Margarets—for various kinds of excellence in crossword construction.

Dave, a recent immigrant from outer Pennsylvania, has made a tremendous contribution to our art department. If

he had his way, he'd probably hand-letter the whole magazine. Recently he confided, "New York isn't as bad as I figured it would be. True, the laundromats don't stay open all night. And it's not 'pop' here; it's 'soda." Whenever you buy a can, they give you a straw. And a bag. I can understand the straw. But I can never understand the bag. Whenever I get a chance, I cut out of here."

Jamie, the youngest member of our tribe, reads six languages, heads up our research department, oversees contest administration, and likes punk rock and D & D. Which may explain why he is often missing in action.

Jake is our editorial production chief. Against all odds, he successfully keeps track of hundreds of little pieces and puts them together impeccably in the form of a magazine. In more ways than one, he bears a striking resemblance to a genie from the Arabian Nights. He vacations at the Jersey Shore in November, "with the seagulls."

Phil (alias Jeremy Piltdown) is head of our game and book review department, chief logician, resident pinball maze expert, and guardian of our game library, which fills two walls of his office from floor to ceiling. He boasts he'll play anything, anytime. It is not an idle boast.

Curt coordinates the Gamebits department and writes a lot of the headlines and other finishing touches. As a general rule, if it's off the wall, it's probably Curt's. He reports incredulously that his neighbors have not yet complained about him. His idea of roughing it is renting a cabin in Sequoia without wall-to-wall carpeting.

Diamond Lil, recently married at the Pitkin County (Colorado) Courthouse in the room where the Spider Sabich murder trial was held, heads up the art department. In some ways *Games* is an art director's dream but, as you may have guessed, it can also be an art director's nightmare. So many details, and so few places to put them. Thankfully, Lillian chews up all the problems and spits them back in technicolor.

Yes, a rather peculiar bunch, but each a real craftsman. Of course, there are others, here and all around the country, who perform equally necessary services that together sustain our enterprise—not least of which are you for whom the magazine is created and dedicated. Some of you, to be sure, will think we ought to knock out 12 issues between parties. So we've confined our celebration to this small space, and in the rest of the book you'll find only the usual pandemonium.

Michael Donner

GAMES

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Reader Responses: Contest entries or correspondence related to specific articles in which readers are invited to respond should be addressed to Name of contest or article, Games, \$15 Madison Avenue, New York, NY 10022. Any material sent to Games Magazine in response to any invitation appearing in this issue will become the sole property of Games and may be published or of therwise disposed of in the absolute discretion of Games Magazine without further notice. Contests are void where prohibited or restricted by law and are closed to employees of Games Magazine, Playby Enterprises, Inc., and their families. It is not necessary to buy Games Magazine in order to enter its contests. For a copy of the contests in this issue, write Contest Copies, Games, \$15 Madison Avenue, New York, NY 10022.

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LETTERS

A Happy Hunter

Your "Scavenger Hunt" had me flipping through the magazine like a madwoman (July/August, page 30). When I found the secret page, I thought the puzzle on that page was my prize, and I almost wrote you an irate letter for being such a tease. Now that I see it "in the proper perspective," is my face red! Liz Verna

Cinnaminson, NJ

Some other Scavenger Hunt misadventures appear with the answers on page 72.—Ed.

Pic-Tac-Toe

Solving "Pic-Tac-Toe" (July/August, page 49) whetted my appetite for these ingenious puzzles. When can we hope to see more of them? Franny Spitzer

Fishkill, NY

Several hundred readers have tried their hands at constructing these visual crossword puzzles. Stay tuned for the "pic" of the litter clude a 15-cent stamp.) —Ed. in a future issue.-Ed.

I have just finished a new chess etching, Jeté, inspired by Chess Problem B ("Of Cover Girls and Grandmasters," March/April 1979, page 50), taken from the game Gaprindasvili—Servaty (Dortmund, 1974). In the position after Black's sixteenth move, the rampage of the Black Queen has ended with the capture of both White Rooks. Languishing on al, she regrets, too late, her folly. The corps de ballet and remaining pieces group for the final solo of the White Queen. She leaps across center stage into the arms of her partner, the White Bishop, who has only to step to h6 to allow her to glide into g7, checkmate.

Elaine B. Rothwell Los Altos, CA

Jeté, reproduced below, is the most recent of many chess etchings by artist Rothwell. Readers interested in receiving a brochure of Rothwell's works may contact: Gallery 9, 143 Main Street, Los Altos, CA 94022. (In-

Autumn Laurels

I received a two-year subscription to Games as a gift and I must admit I was a bit leery. I thought it would consist of simple games and puzzles aimed at children. Boy, was I wrong. My first issue arrived—May/June 1980—and I left it lying around for a couple of days. Then out of boredom I picked it up-and I haven't put it down since. If this is a sample of things to come, I'll never be bored again!

Carl P. Bailey Denison, TX

Wackier Backtalk

Yet Wackier Wordies" (July/August, page 26) left me speechless with delight. It's:

WORDS GOOD WORDS

GOOD WORDS WORDS

(Too Good for Words!)

Mrs. J. Nigro Brooklyn, NY (Continued on page 8).



All but one of the captured pieces are visible around the borders of the "stage." Which piece is missing? Answer Drawer, page 66

6

Come to where the flavor is. Come to Marlboro Country.

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Warning: The Surgeon General Has Determined That Cigarette Smoking Is Dangerous to Your Health.

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What Are the Odds?

I've already missed my stop while reading Games on the bus; lost sleep trying to solve an unsolvable puzzle; skipped meals because I can't hold a fork and a pencil at the same time; and now you've given me "Odd Couples" (May/June, page 23)—I'm so busy making up new ones I'm afraid to cross the street by myself! Maybe your readers would enjoy solving my favorites: Oil and Bo ... Telephone and Shirley ... Banana and Norman Vincent ... and, of course, Mental and Chip!

Adrienne Bonaccorsi
Malden, MA

Answer Drawer, page 66

The Last Word on Palindromes

"The Palindrome Syndrome" (May/June, page 46) inspired me to quit my high-paying job as a neurosurgeon and become a professional palindromer. But seriously, in honor of *Games*, I've whipped up this nifty example. Let me set the scene for you: A philosopher enters a contest in which the grand prize is a valuable oil painting. Friends of the philosopher, who happen to be on the judging committee, cause him to win, thus incensing a losing contestant to attack the judges. A local newspaper carries this headline:

PALS AWARD SAGE DEGAS, DRAW A SLAP.

Michael LaBrier Berkeley, MO

I broke the palindrome habit ten years ago. Now "The Palindrome Syndrome" (May/June, page 46) has triggered me again with this bit of palindromical protocol from sorority girls:

STRATAGEM OFF, O YALE DUDE, LAY OFF OMEGA TARTS.

Elaine B. Rothwell Los Altos, CA

Prize Peeve

Roger Dionne's article, "Nailed to the Wheel of Fortune" (March/April, page 11), while moderately amusing, contains a glaring error. He states: "Most people think [these] prizes are donated by their manufacturers for publicity purposes. The show's producers buy all the prizes, albeit at a modest promotional discount." In fact, producers buy very few prizes. Not only are most prizes donated, many manufacturers must also pay a promotional fee for having their wares used and promoted on the air. Just try to donate a subscription to *Games* to one of these shows, it will cost *you* a pretty penny.

Gary A. Ganim Atlanta, GA

ROCER DIONNE REPLIES. The high-cost merchandise on "Wheel of Fortune" is, as stated in the article, purchased at a promotional discount; the manufacturers pay a promotional fee of \$300 to \$400 per plug, which is deducted from the amount charged to the show. However, low-cost items (like a pair of slacks or a year's supply of chewing gum) are indeed donated, and their manufacturers also pay a promotional fee in exchange for national television exposure. After all, the small cost to the manufacturer doesn't come close to the cost of a five-second spot on national television.

She Grids and Bares It

I think this is what you really meant to say in "Misconstrewn Words I" (May/June, page 58):

A U I O M @ P F D T E L E O H T S H R W A N I T K T E V U B D O N

(Games is the refuge of people who have work, but don't want to do it!)

Anita M. Brader Springfield, MO

LAUNDRY BASKET

If we publish your letter in Laundry Basket, we'll send you a Games T-Shirt.

Mistakes: May/June

★ There were in fact 51 errors in your Mappit (page 17). The capital of Illinois is Springfield, not Chicago; and this error was not included in your July/August Answer Drawer (page 72).

Bob Chernansky Gales Ferry, CT

★ In "What Do You Think?" (page 64), you attributed the statement "There is no expedient to which a man will not go to avoid the real labor of thinking" to Thomas Alva Edison. My fourth grade class visited Edison's laboratory in West Orange, New Jersey, and learned that although Edison was fond of this statement, he borrowed it from Sir Joshua Reynolds. Many signs attributing the statement to Reynolds hang in the lab and library.

Ridgewood, NJ

July/August

★ You have been colorblinded by your own attempt to colorblind your readers. The correct number of squares in "Squaring Off" (Beguilers, page 20) is 87, not 83 as listed. The number of each size, from smallest to largest, is: 34, 27, 10, 9, 2, 4, and 1. You missed the two 3x3 squares formed in the middle and the two 5x5 squares in the lower left and upper right corners. Try again!

Bob Deane Sweet Home, OR

★ I've had a ball batt(1)ing with your puzzles for years. I've seen you pitch a lot of curves, not to mention a few screwballs. But I've never caught an error before. Clue 45 across in "RSVP" (page 27) should be "Pitching statistics," not "Batting statistics" (the answer was "ERAS"). Strike one.

John H. Bauman New York, NY

EVENTS

Before attending any of these events, write or call to verify dates, places, eligibility, entry fees, etc. Send a stamped, self-addressed envelope with your request.

Backgammon The Second Annual Chicago Classic, September 26–28 at the Sheraton Plaza Hotel in Chicago. More than \$30,000 in prize money is at stake in this invitational tournament. Contact: Valerie Valentine, Backgammon Club of Chicago, 228 North LaSalle St., Suite 1205, Chicago, IL 60601.

Chess The National Open, October 17–19, at the Palmer House in Chicago. Open and under-1600 sections. Contact: U.S. Chess Federation, 186 Route 9W, New Windsor, NY 12550.

Cribbage The Annual M and M Open Cribbage Tournament, September 27–28, at the Dome Cabaret in Marinette, Wisconsin. First prize of \$2,000, competition limited to the first 350 entrants. Contact: Steve Vandenberg, R. B. 590, Menominee, MI 49858.

Games Unlimited A national game show for trade and consumers, including the U.S. Open Pinball Championships (\$10,000 in cash prizes), October 23–26, at the Civic Center in Hartford. Contact: Arnett & Associates, 25 Canton Road, Simsbury, CT 06092.

Frisbee The National Air and Space Museum Frisbee Disc Festival, August 31, on the Washington Mall near the Museum. Over 100 top instructors will give demonstrations and hold clinics. Contact: Smithsonian Visitors' Information, (202)–357–2700.

Go The United States Championships, August 30–31, the major go event of the year in North America, held simultaneously in Los Angeles and New York. Contact: Terry Benson, 60 W. 68th St., Apt. 3C, New York, NY 10023.

Jousting La Tournoi de la Ville Platte, October 12, in Ville Platte, Louisiana. A medieval-style jousting tournament is held on the last day of the four-day Cotton Festival, which will also feature dancing and Cajun Fiddlin' competitions. Contact: Ville Platte Chamber of Commerce, Ville Platte, LA 70586.

Othello The Fourth Annual International Championships continue with first round tournaments. For information on competitions in your region, call Emily Whelan at the Othello Hot Line: (212)–935–5011.

Rodeo The Texas Prison Rodeo, each Sunday in October, at the Walls Unit in Huntsville. Prisoners compete in all standard rodeo events, and in the unusual "Hard Money" contest. A portion of each admission price is placed in a bag, which is hung between the horns of a bull. Prisoners wearing red shirts try to grab the prize, which is indeed "hard money" to earn. Contact: Texas Prison Rodeo, P.O. Box 99, Huntsville, TX 77340.

Scrabble For information on competitions and clubs in your area, write: Scrabble Players, Inc., 4320 Veterans Memorial Highway, Holbrook, NY 11741, or call Anne Griffith at (516)–588–7781.

GAMES



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Mail Completed Entry Form To: RONRICO "GOLD AND SILVER" SWEEPSTAKES P.O. Box 2824 Westbury, New York 11591

1. How many hearts appear in the upper right hand corner of the coat of arms on the RONRICO Rum label?

2. In what year was Ronrico Rum Company established?

3. Where is Ronrico Rum made?

I certify that I am of legal drinking age under the law of my home state as of July 1, 1980.

Address

GAMEBITS

Edited by Curt Slepian



DUNGEONS & DRAGONS ON TRIAL

Some thought it satanic. A few saw it as a communist plot. And others just felt it was inappropriate for eighth graders. So they all got together to ask the School Board to ban it from the Heber City, Utah, junior high school.

What could stir such passion? A controversial novel? Evolutionary theory? A sex education course? Nope, just your friendly neighborhood game of *Dungeons & Dragons*.

Teachers Mike Tunnell and Cecil Black certainly didn't anticipate any problems when they introduced the popular adventure game as an afterschool activity for gifted eighth graders. But the witchcraft and occult themes central to *D* & *D* perturbed some local citizens. Tempers flared, and an emotional Board meeting brought out testimonials for and against the game, including the charge that playing *D* & *D* exposed kids to demonic influences. A spokes-

man for D & D's publisher, TSR hobbies, pointed out that the game is a widely utilized teaching device in schools, and cited the example of a Sunday school teacher who uses it to teach his pupils about "good" and "evil."

The verdict? Not guilty, sort of. The School Board ruled that the game was appropriate for school children, but the administration decided that its continued use would be too divisive in the community and cancelled the activity.

Although the State School Board may review the case, the future of D & D in the Heber City school system is cloudy. About the only definite results are entirely predictable: the local game store reports that sales of D & D have more than doubled since the whole affair started, and the eighth graders have continued playing the game on their own time. —J.A.

BUILD A BETTER MOUSETRAP?

A little Yankee (and foreign) ingenuity was on display at the fourth annual World Wide International Inventors Exposition, as 175 inventors gathered to showcase everything from hamburger patty shapers and sweat-absorbing tennis racket grips to toothbrushes that dispense their own toothpaste.

Despite having already secured patents, only a handful of the gadgeteers have a realistic chance of selling their products to manufacturers. But the long odds don't dampen their enthusiasm. Whether full-time inventors or weekend tinkerers, they'll all tell you that millions could be made marketing such items as: the "Dip-er-Do Stunt Plane," a tiny paper glider that flies in graceful loop-de-loops; "Field Coach," a returning baseball attached to a 10-foot-long elastic string, designed to improve the catching ability of solitary Little Leaguers; splashproof slippers; or the "Route Salesman," board game in which players try to sell the most cases of soft drinks.

Not convinced they're winners? Then how about a portable umbrella worn on the head to serve as "camouflage for soldiers in case of war"? Or a transistorized plastic hand that forecasts your daily horoscope? Or maybe an automatic bingo chip dispenser?

Between now and the next expo some of the Tom Edisons may indeed strike gold with an invention, but for most it's back to the drawing board.

—Andrea Sole

THE STATES OF ANY

Novel ways to pass the buck.

THE BUCK STOPS HERE

Part-time magician "Dollar Bill" Caruba has added a new wrinkle to Origami, the Japanese art of paper folding. Rather than plain old paper, Caruba's medium is government tender. Give him crisp dollar bills and he'll deftly fashion them into Texas longhorns, rabbits, dice, crap tables, rifles, Christmas trees, Superman insignias, and other original shapes.

Dollar Bill's latest twist is a bowie knife, and he's currently working out

the kinks on a heart with a Cupid's arrow through it (which should be ready in plenty of time for Valentine's Day). Caruba is always willing to create greenback-art to order, but you can easily learn to fold your own: his instruction manual, *The Magic of Folding Money*, will teach you the real value of a buck. The book is available (for \$7.50 plus \$1 postage) from Louis Tannen, Inc., 1540 Broadway, New York, NY 10036.

o hy Stan Fellerman

MARTY REISMAN: PING-PONG'S BOBBY RIGGS

If Marty Reisman offers to play you Ping-Pong for money, find another offer, fast. A combination of Fred Astaire and Minnesota Fats, with a pinch of Meadowlark Lemon and a whole lot of hot dog. Reisman is the world's greatest table tennis hustler. Despite winning 17 major championships from 1946 to 1960, including five U.S. singles and doubles titles, he is best known as Ping-Pong's answer to Bobby Riggs. He'll lay down his paddle and volley instead with his eyeglasses, a sneaker, a wristwatch, a wooden folding chair, or just about anything else a challenger requests. Such shenanigans may be necessary to make a living in a sport that pays its professionals peanuts.

Reisman began earning his reputation as the game's bad boy at the tender age of fourteen, when he tried to place a bet (on himself) with the President of the U.S. Table Tennis Association, whom Marty mistook for a bookie. Since then, he's played for money from Saigon to Rio, pulled off a \$20,000 Ping-Pong sting, and even smuggled gold in Indochina.

Since 1958 Reisman has run a Table Tennis Center on New York City's Upper West Side. His establishment attracts the cream of American table tennis players, along with a collection of Runyonesque characters drawn to one of their kind. *Games* visited there recently to see the star in action. That night, as occasionally happens, Reisman accepted a friendly challenge match. To quicken his

blood, he also accepted a handicap: to play the entire match seated in a chair.

Warming up with his omnipresent beret at a jaunty angle, cigarette dangling with Bogartian panache, Reisman returned slam shots with the grace of a matador sidestepping a charging bull. After routinely playing balls behind his back and between his legs, he showed off a few eyepopping tricks from his bag of shots, and sat down for the match to begin.

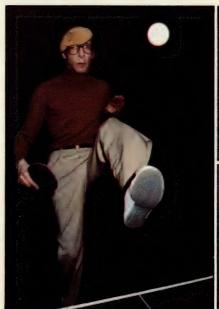
Soon thereafter, Reisman went into his hustler's act, fulsomely praising his opponent's skill while bemoaning his own rustiness (too much time spent overseeing Wall Street investments). And when Reisman lost the first game, 21–19, it seemed as if his complaints hadn't been a put-on.

Unperturbed, he wagered 20 free hours at the tables (worth over \$60 in playing time) on the match. With this added spice, Reisman coolly returned smash after smash, all without stirring from his chair. He went on to win the second game, 21–15, leaving his opponent stunned and breathless. But in the third game Reisman ran out of magic. Trailing 16–17, his immobility finally cost him the game, 21–17.

Reisman good-naturedly relinquished his crown to the "new champion" and denigrated himself as a "shadow of a shadow." The mock humility out of the way, he cockily confided that if money had been on the line, he'd never have lost.

You can bet on it.

-C. S.







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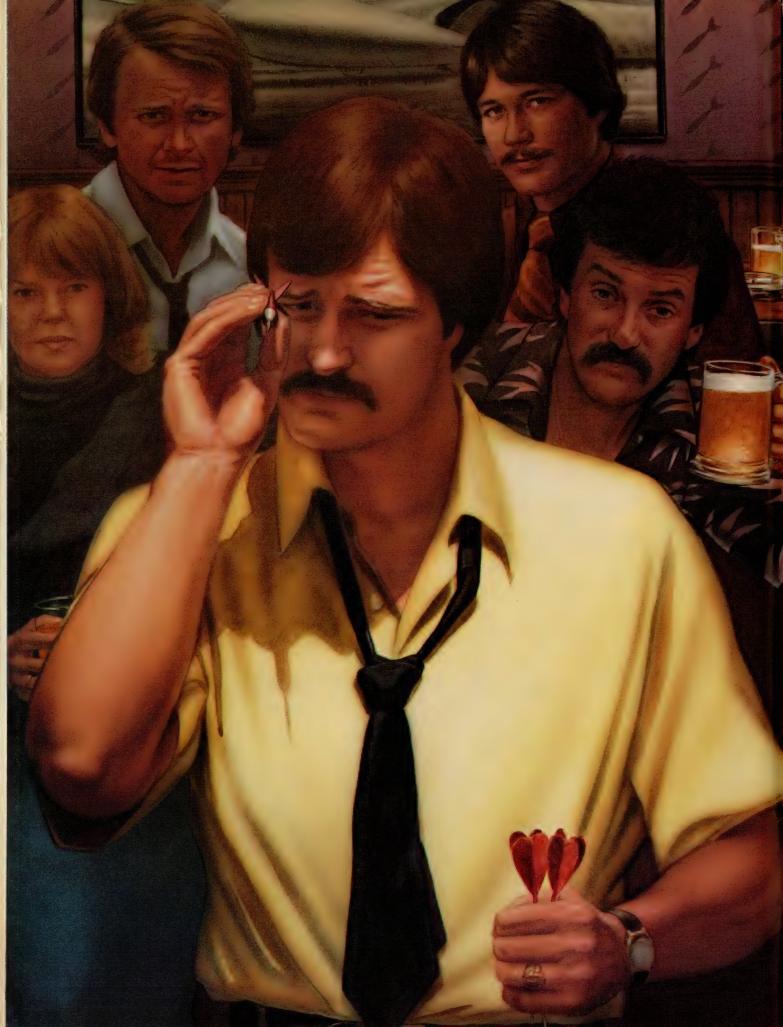
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What Aunt Josephine Didn't Know About

by Roger Dionne

emember how it was? Dear Aunt Josephine, our mother's favorite sister, bustled in with the prettily wrapped gift. It was flat and square, a set of records perhaps, but certainly not a baseball mitt or a new board game or something we really wanted. It turned out to be a dart board—black and white pie slices haphazardly numbered from 1 to 20 surrounding a tiny bull's eye.

"What do the numbers mean, Aunt Josephine?"

"Ask your father," she said.

The numbers seemed only an extraneous complication. So we hung the board on a wall and tried without much success to hit the little bull's eye in the center until the combination of our own boredom and our parents' complaints about the nicks in the wallpaper put a stop to it. That was maybe 15 years ago, and since then the board has languished in the attic along with the clip-on roller skates, chemistry sets, Tom Swift novels, and other debris of childhood holidays.

0

"I used to watch the men throw darts. and I thought it was the silliest game in the world," says Barbara Bright, a heavyset, blue-eyed woman with a face as bright as her name. Sitting in Limey's Pub in Culver City, California, Barbara and I and the rest of the crowd at the bar are surrounded by five well-lighted dart boards with pairs of players standing at the toe lines 7' 91/4" from each board. There is the blustery Scotsman Bobby Sutherland from the George 'n' Dragon in Santa Monica at one board. Attractive Jan Persinger from The Cheshire Fox takes aim at another. They are playing league matches, and they in their turn are surrounded by fans and other spectators. Now and again we at the bar hear a cry of triumph or anguish, its tone determined by a millimetric variance in a dart's point of entry on the board.

"But as soon as I tried it," Barbara continues above the hubbub, "and found I could hit the board, I was hooked. I

would play for hours. I'd go anywhere to play."

Now Barbara Bright manages a dart shop just down the street from Limey's Pub, and she can discourse for hours on the characteristics of straight darts, barrel darts, and torpedo darts, on the distinctions between brass barrels and more expensive tungsten barrels, and on the best way to go out in three darts with 102 remaining.

Bill Hudson, a 48-year-old carpenter, is drinking a beer next to us at Limey's. He took up darts on a visit to England in the early sixties, and though he's already late for a job, he can't tear himself away from this conversation about his favorite pastime. He orders a round of beer.

"Darts is a game of extreme skill," he says, "and it's nerve-wracking even if you're any good at it because there's an element of luck that gives the weaker player a chance of winning. Yet it's a game with a lot of camaraderie. Just look at the people around us. The beautiful thing is that you don't have to be the best in the world. You can just enjoy the game and still feel the competitive edge at your level of play. Once it gets to you, it's a rare person who can leave it and say he doesn't miss it."

John Lowe, a burly Englishman with a thick Derbyshire accent, is the best in the world, according to the ratings of the World Darts Federation. Awaiting his turn at last year's \$40,000 North American Open aboard the Queen Mary in Long Beach, California, Lowe explained what makes a great dart player: "Hard work, concentration, dedication, discipline, and plenty of practice."

How often does he himself practice?

"I don't," he laughed. "I just play every night." Lowe has parlayed that nightly play into a six-figure annual income, for in Great Britain great dart players enjoy the celebrity and monetary rewards great golfers or tennis players enjoy here.

Conrad Daniels from Trenton, New Jersey, one of America's best dart players, compares the inner complexities of darts to no less a game than backgammon. "Being able to figure the mathematical combinations is as important as throwing the darts," he says. "You might be throwing at the triple 20 and hit a triple 5. Now you must be able to regroup your thoughts and, without breaking your rhythm, go to another number to rectify your error."

What is all this? Mathematical combinations . . . concentration . . . dedication ... competitive edge ... camaraderie ... Clearly, when we packed Aunt Josephine's dart board away in the attic, we must have been overlooking something. What is it that has made darts the number one participant sport in Great Britain with an estimated $6^{1}/_{2}$ million shooters? What is it that draws nearly 4 million Americans to spend hours throwing lethal little weapons at a seemingly senseless target in dart strongholds like D.C.'s in Manhattan, the Harbor Inn in Cleveland, the Two and Sixpence Pub in Chicago, Tall Paul's Inn in Dallas, and about 7,000 other watering holes across the country that vary in ambience from modest neighborhood taverns to sleek singles' bars? "It's hard just to sit and drink," says one four-night-a-week player. Yet surely there is more to it than that.

Tom Fleetwood, general secretary of the American Darts Organization, is the game's biggest booster and apologist. I use the word biggest advisedly. Given beer-drinking dart players' tendency toward a certain portliness just above the belt buckle, it is meet and just that 6'4" Fleetwood, an ex-lineman with the Green Bay Packers, weighs in at 500 pounds. Though the United States Darting Association, run by Bob McLeod out of New York City, had been sponsoring dart tournaments since the late sixties, Fleetwood organized the ADO at a tournament in November, 1975, as a grassroots operation. Two years ago it had 25 branches around the country, a year ago 48 branches, and now there are well over

(Continued on page 16)

PUZZLE PENDANTS Sculptured by BERROCAL



11/2 inches long

Puzzle sculptures so small and light, they can be worn as pendants. Created by Spain's foremost living sculptor, Miguel Berrocal, these sculptures are micro-versions of larger Berrocal sculptures now in the permanent collections of world-renowned museums. More than just miniatures, these sculptures capture the essence of Berrocal.

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Created in the Berrocal tradition. Each element is cast by the lost wax method and then finished by hand to achieve its elegance and inspired artistry. An instruction book accompanies each piece to rescue those who lose their way in the puzzle. Signed and numbered by Berrocal, these micro-sculptures are exquisite when displayed and strikingly beautiful when worn as jewelry.

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22 elements, 2 inches high

Micro David partially disassembled



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100, with the larger branches like those in Dallas and Los Angeles boasting several thousand members in scores of leagues playing out of hundreds of dart pubs.

Sitting on half a sofa in his trophyfilled living room in Bellflower, California. Fleetwood discusses the appeal of darts. "It's a tremendously competitive sport, yet you can learn it very quickly. I can work with someone and after five minutes he can be playing darts and even beat me at a game of 301. That would never happen in any other sport. There's no strength involved. You don't have to be in shape. Young, old, short, tall, fat, skinny, male, female—they can all compete at the same level. And it's so inexpensive. A few dollars buys you the finest brass darts you could want, and for about thirty dollars you can get a bristle board that will last forever with proper care. And when you go into a bar, they don't even charge you to play.'

he games serious dart players play are 301 and 501. What that means is that you must score precisely 301 points (or 501 points) before your opponent does. It sounds simple enough, but the first complication is that you score backwards. You start with 301, say, and subtract your score for each of three throws, alternating with your opponent until one of you reaches the magic number of zero. You get points by throwing your dart into one of the board's 20 numbered wedges or into the bull (worth 25) or the tiny double bull inside the bull (worth 50). Dart players, however, almost never shoot for the bull. Since a triple 20, 19, 18, and 17 are all worth more than a double bull and are less difficult to hit, they shoot for the triple bed, which is the ring, 3/8ths of an inch wide, between the two large single areas of the target. In the early stages of a game, players shoot regularly for the triple 20, and the best score in one throw of three darts is 180 or ton-80 as dart connoisseurs are wont to call it. The dart board is very diabolically arranged, though, so that the difference between a ton-80 and a lowly l is minuscule: the 20 bed is flanked by the 1 to its right and the 5 to its left. In fact, all the high numbers are cleverly flanked by low numbers.

There is another catch to 301. Before you can score any points at all, you must start with a double, which is the ring, also 3/8ths of an inch wide, at the outer edge of the target area (the small double bull also counts as a double); and in both 301 and 501 you must go out with a double. Thus, with 12 left to win the game, hitting the 12 (or, for that matter, the 13 through 20) does you no good. If you do so, you "bust," forfeiting the rest of your

When you first hit the double 4 for a perfect two-dart out, you're hooked.

throw, and your score remains at 12. What you want to do with 12 left is hit the double 6. If you hit the single 6 on your first dart, you have 6 left and must then hit the double 3.

Having to shoot precisely 301 (or 501) points, no more and no less, and having to go out with a double is what gives the game of darts the endlessly fascinating strategy poor Aunt Josephine knew absolutely nothing about. If a ton-80 is the home run of darts, a perfect double out shot is the game's clutch single in the bottom of the ninth.

Say you have 39 to go as you stride up to the toe line, or the "hockey" as it's sometimes called. Any dart player will tell you that you should first shoot a 7 to even up at 32, leaving yourself a double-16 out shot. Thirty-two is the key number all dart players try to leave themselves as they move toward the finish because it can be halved five times, more than any other number, and still leave a possible out shot. That is, if you single the 16, you can go out with a double 8. If you single that, you can go out with a double 4. And so on.

It is possible to go out in three darts with most numbers from 170 down and to go out in two darts with every number from 98 down. Experienced players know these combinations instinctively. However, not all of them know the most expeditious route toward zero. Expert Conrad Daniels explains: "Suppose you have 128. Ninety-five percent of the players in the country would throw at the triple 20. But if they single it, it leaves 108, and there is no way to go out with two darts. An expert player would throw at the triple 18. If he singles that, it leaves him 110 and a conceivable out shot. A triple 20 and a double bull wins the game for him."

To the uninitiated such talk no doubt sounds purely theoretical. Yet dramatic outs are commonplace on the world-class level. In the final game of the best of 16 team championships between England and Wales at the biennial World Cup held in Las Vegas last November, Londoner Eric Bristow, the 23-year-old *enfant terrible* of darts, who is seriously challenging countryman John Lowe for world supremacy, had 85 left for England to win it all. Bristow took a sip from his glass of beer, walked noncha-

lantly to the toe line, and with beautiful, gazelle-like strokes promptly threw a triple 19 and a double 14 for a perfect 85 out.

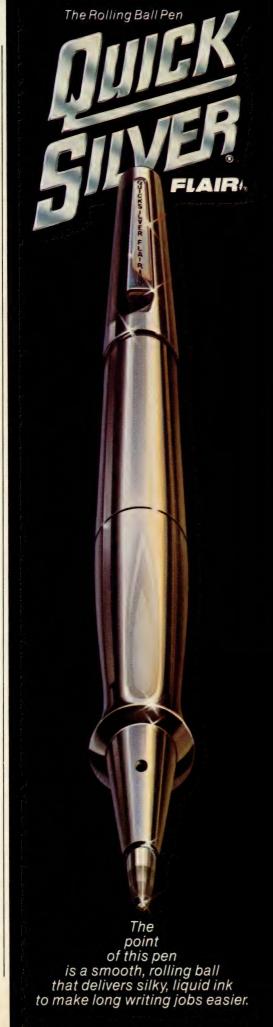
A big out is particularly exciting when it doesn't go exactly as the shooter planned. In the singles finals at the World Cup in Las Vegas, Nicky Virachkul, a brilliant American player of Thai ancestry, was down 3 games to 1 against Welshman Ceri Morgan in their best of 7 match. Positioning himself at the toe line in the fifth game with a ubiquitous cigarette in his left hand and 106 remaining on his score, Virachkul aimed for the triple 20, hoping to leave himself a single 14 and a double 16 to win the game. However, he singled the 20. Without losing his rhythm or his concentration, Virachkul calmly shot a triple 18 and a double 16 for the victory (20 + 54)+ 32). The audience of two or three thousand roared its approval, and Welshman Morgan never recovered. Virachkul easily won the next two games and the singles championship, 4 games to 3.

ack at Limey's Pub in Culver City, the league matches have ended, the air is smoky, and the beer is flowing. Barbara Bright is playing a quick game with her daughter Bonny, while Bill Hudson has at last left for his carpentry job. A group of us are now sitting at a corner table talking, of course, about darts. Someone insists there was a dart board on the *Mayflower*. Another points out that Anne Boleyn presented Henry VIII with an ornate set of Biscayan darts in 1532.

However, no one knows exactly how or where dart games originated. What does seem clear is that dart throwing started when Renaissance warriors aimed their spears and axes at the bottom of a wine cask or a slice of elm log. (Though growing obsolete since the compressed bristle board was introduced in 1935, traditional elm boards are still used in the biggest tournament of all, the News of the World Championships, held annually before some 12,000 rowdy spectators and a large television audience in London's Wembley Stadium.) When those warriors of old moved into the warmth of their local public houses, their cumbersome weapons were eventually whittled down to something approaching modern darts. Several people around the table at Limey's speculate that the wedges of today's boards developed from the cracks and splits in the elm slices as they dried and that the double and triple rings are refinements of the concentric rings formed by nature.

If, as seems true, darts began as a warrior's sport, it's a great irony, for dart players and the pubs they frequent are

(Continued on page 18)



ARE YOU WINNING IN THE GAME OF LIFE?

KNOW THE SCORE

Now you can keep score of your own game: Life. Having correct change for the bus, beating your competitor for the Big Account, getting the best table in the restaurant ... all add up to big points! But when that truck runs through a puddle and splashes you on your way to work, or when your wife leaves you ... the World gets the points!



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blew it, allowing you to score.

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Endorsed by the International Optimists Society. (Continued from page 17)

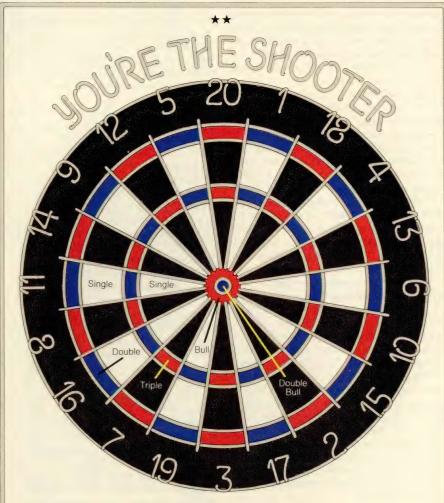
nothing if not convivial. No one pays any mind to the inexperience of the novice, the pubs gladly supply house darts if you don't have your own, and joining a league team is pretty much a matter of signing up at your local pub.

So dust off old Aunt Josephine's board, hang it so the center of the bull is 5'8" from the floor, and have a go or two at 301. For starters even your Aunt Josephine can offer you as stiff competition as anyone, but if you want to join the ranks of the true aficionados and know of no dart pubs in your area, write or call the American Darts Organization, 13841 Eastbrook Avenue, Bellflower, CA 90706; (213) 925–1205. Unless you live in the Himalayas, the ADO will put you

in touch with dozens of local leagues.

Meanwhile, imagine you have 9 remaining to win as I did at the Loch Ness Monster Pub in Pasadena in the first game of 301 I ever played. Magically, authoritatively, almost as though you have in a Zen sense become the dart you are throwing, you hit the I and then, yes! just as you knew you would before the next dart even left your hand, you hit the double 4 at the outer rim of the target for a perfect two-dart out. Victory! You're hooked. You keep the board and take on the next challenger. Mugs away, as they say, and the loser buys the next round of beer.

Roger Dionne is a freelance writer whose work has appeared in Sports Illustrated, Playboy, The Los Angeles Times, and many other publications.



Double Out Anyone who can count can figure out several ways to go out in two or three darts with nearly all numbers from 170 on down. To go out in three from 170, for example, you'd have to shoot a triple 20, triple 20, and double bull. However, the trick most of the time is to plan your strategy so you leave yourself a possible out even if you miss the triple you are shooting for, singling it or landing in one of the beds adjacent to it. Experts don't always agree on the best combinations with which to go out from

certain numbers.

Here is a test for you. With three darts to shoot, how would you try to go out from the following numbers?

(a) 35 (b) 43 (c) 75 (d) 80 (e) 122

Perfect Game What is the fewest number of darts needed to go out from 301—in other words, to shoot a perfect game? (Remember you must start with a double and go out with a double.) What numbers must you hit?

—R.D.

Answer Drawer, page 66



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Handy Andy is a magazine for do-it-yourselfers seeking helpful advice on repairing things around the home. For years, readers have employed its useful remedies, which, strange as they may sound, really work. What won't work are the equally bizarre remedies we've cooked up and included with Handy Andy's. Can you tell which of the following problems and solutions actually came from Handy Andy, and which are phonies?

Answer Drawer, page 66



1. **Dear Handy Andy:** I have owned an electric alarm clock for about ten years. Recently, it's been making a grinding noise that keeps me awake half the night. How can I stop the noise? —Insomniac



Dear Insomniac: Try turning the clock upside down for about 12 hours. The noise often stops when you restore the clock to its upright position.

2. Dear Handy Andy: The toilet tank in my bathroom sweats and the condensation drips on the floor. What is a sure way to stop the sweating? —Wet Feet



Dear Wet Feet: Pour warm water into the tank. Towel dry the outside, and dust a thin layer of talc on the surface. Your problem should be corrected.

3. Dear Handy Andy: I am in the process of building a bookcase and noticed one of the pieces of wood has several dents. How can I remove them? —Thumb Tied



Dear Thumb Tied: Cover the dent with a damp cloth. Place a bottle cap upside down over the dent. Then rest a warm iron on the cap for a few minutes at a time. Repeat until the dent disappears.

4. Dear Handy Andy: I am trying to replace the rusted bolts from our outdoor furniture. However, the nuts have rusted into them and I can't seem to remove the bolts. What do you suggest? —Sunny



Dear Sunny: Swab the joints with tincture of iodine and let it seep in for a few minutes. The bolts can be removed then.



5. Dear Handy Andy: The belt on my washing machine motor is frayed and slips off the pulley. Can I fix it without calling a repairman? —Full Cycle

Dear Full Cycle: Cut away the frayed ends and spray deodorant on the underside of the belt. The washer should work fine.

6. Dear Handy Andy: My daughter got chewing gum stuck in her hair and I had a terrible time getting it out. What do you suggest if it happens again? —Stuck Up



Dear Stuck Up: Try working peanut butter into the affected areas to remove the gum.

7. Dear Handy Andy: My bathtub is stained as a result of the rusty pipes in our apartment house line. How can the stains be removed? —Browned Out

Dear Browned Out: Fill the tub with water so that the stain is completely covered. Add two 12-ounce bottles of cola and let the mixture stand overnight. The next morning, rinse the tub clean.



8. Dear Handy Andy:

I recently purchased a sheet of postage stamps that were stuck together. How do I get them apart? —Glueful

Dear Glueful: Try putting the stamps in the freezer overnight. You should be able to pull them apart quite easily in the morning.

q. Dear Handy Andy: My shower spray is not as powerful as it used to be. I suspect that the shower head is clogged, but how can I fix it? —Barely Wet



Dear Barely Wet: Soak the shower head in vinegar.

10. Dear Handy Andy: I plan to paint our bedroom, but dislike the prospect of sleeping in a room filled with the odor of paint. How can I eliminate the smell? —Nosey



Dear Nosey: Cut a large onion and place it in a pail of water somewhere in the room. The odor will disappear.



11. Dear Handy Andy: Sometimes the top drawer of my dresser gets stuck and is hard to open. How can I eliminate this problem? —Hercules



Dear Hercules: Place a 50-watt light in the drawer on top of a heat resistant pad. Close the drawer and turn on the light. In a short while, the drawer will work properly.

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Makes ultra low tar smoking an unexpected pleasure. Now you don't have to smoke higher than 5 mg tar to get that good taste you've been hoping for in a low tar.

Ultra low tar never tasted so good.

COULD YOU GET INTO GOLLEGE TODAY?*

This Test Probably Won't Tell You.

One of the most serious games around today is the Scholastic Aptitude Test (SAT), used by colleges to help determine which high school seniors to accept and which to reject. Because of its consequences, most teenagers have trouble seeing the test as a game, and tend, instead, to dread it as an unpleasant rite of passage. The College Board, which administers the SAT, perpetuates that dread by laboring under the delusion that the SAT is *not*, in fact, a game.

Like any game, the SAT has strict rules, which can be manipulated and turned to advantage by those who know them well. One way to approach the SAT is to treat it as a contest, you versus the testmakers. Without the pressures of the real thing,

you can take some time to study the questions. See if you can spot the traps the testmakers lay for you. Try to find the "logic" behind the wrong answers—how *might* you arrive at them by doing the wrong thing? Soon you begin to realize that the test is like a jigsaw puzzle: all the elements fit together somehow.

With that approach in mind, we present the following SAT-like test. Of course the *Games* Aptitude Test is *not* an SAT, nor can it hope to duplicate one, but we do hope we have constructed an entertaining approximation. Some of the questions are taken from an actual SAT, some were made up, and some are parodies of actual SAT questions.

You may begin.

Answers and Scoring Guide, page 66

SECTION I: 20 QUESTIONS

Select the lettered word that is opposite in meaning to the first word.

- 1. BOORISH: (A) exciting (B) refined (C) distant (D) brave (E) tactless
- 2. ORDAIN: (A) novice (B) permit (C) proxy (D) sustain (E) proscribe
- 3. BAFFLING: (A) explicable (B) culpable (C) heretical (D) enigmatic (E) eventual
- 4. ASCETIC: (A) basic (B) sober (C) solid (D) prosthetic (E) libertine
- INDIGENT: (A) sahib (B) needy (C) wealthy (D) sweet (E) flotsam

Select the lettered word(s) that best completes the sentence.

- 6. "Wonder" drugs that have ______ the practice of medicine in the past 40 years, have enabled doctors to _____ many lives that would have been lost in earlier times.
 - (A) salvaged . . alleviate
 - (B) standardized . . terminate
 - (C) socialized . . regulate
 - (D) revolutionized . . rescue
 - (E) licensed . . stultify
- 7. Even if culture is learned rather than inherited, is it possible that what is learned depends upon _____ characteristics?
 - (A) environmental (B) interrelated (C) social (D) salient (E) innate
- 8. The events were timed to _____ with the opening of the
 - (A) concur (B) coincide (C) contemporaneous
 - (D) convert (E) collate

Select the lettered analogy closest to the first one given.

9. BOAR:BORE:: (A) sleep:tired (B) sturm:drang (C) plank:drill (D) stake:steak (E) wild:crazy

- 10. SLOP:HOGS:: (A) pigs:wings (B) nest:eggs (C) grain:silo (D) mess:troops (E) pearl:oyster
- 11. TOWEL:WATER:: (A) sponge:sea (B) broom:dust (C) cloth:sew (D) stanch:flow (E) clean:dry
- 12. CHESS:CHECKERS:: (A) go:wari (B) bridge:cribbage (C) nim:hangman (D) backgammon:old maid (E) snooker:pool

If any of the underlined parts of the following sentences contain an error, choose that letter. If there is no error, choose letter E.

- 13. Wayne and Phil decided to be an team in the competition, despite their conflicting modes of play. No Error.

 C
 D
 E
- 14. Seismologists have concurred in their evaluation of the dangers from earthquakes and its aftershocks. No Error.
- 15. Nobody were able to predict the ultimate consequences of too much testing. No Error.
- 16. To prepare for the trial so well, the attorney had to forsee all

 A the arguments. No Error.

Choose the lettered phrase which best expresses the sense of the underlined portion of the sentence. Do not change the meaning of the original sentence.

- 17. It is still quite common in rural areas for a person to be born and then you spend your whole life in the same community.
 - (A) then you spend your whole life
 - (B) then they spend their whole lives
 - (C) to spend their whole lifetimes
 - (D) to spend his whole life
 - (E) then he would spend his lifetime

GO ON TO THE NEXT PAGE

- 18. Because of their obvious inadequacy, the contractor was dropped from the project.
 - (A) their obvious inadequacy, the contractor
 - (B) their obvious inadequacies, the contractor
 - (C) his obvious inadequacy, the contractors
 - (D) his obvious inadequacies, the contractors
 - (E) his obvious inadequacy, the contractor
- 19. If you do not desist, I shall be forced to resort to physical measures.
 - (A) desist, I shall be forced to resort to physical measures
 - (B) desist, I shan't be forced to resort to physical measures
 - (C) stop, I shall be forced to reserve physical measures
 - (D) stop, I shall be required to reserve physical measures
 - (E) stop, I'll whup you upside the head
- 20. If Will had not changed the clue to 20-Across, it was insoluble.
 - (A) it was insoluble.
 - (B) it will have been unsoluble.
 - (C) it would have been insolvable.
 - (D) it would have been insolvent.
 - (E) it will be insolvable.

SECTION II: 15 QUESTIONS

- 21. If x and y are positive integers and $\frac{x}{y} = 3$, then what is the smallest possible value of x + y?

 (A) 2 (B) 4 (C) 5 (D) 10 (E) 12
- 22. What is the next number in the series 1, 3, 6, 10, ...?
 (A) 11 (B) 13 (C) 15 (D) 16 (E) 20

23.

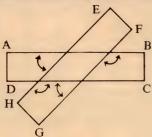


In the figure above, x =

- (A) 20 (b) 40 (C) 70 (D) 80 (E) 160
- 24. If Sharon is twice as old as Dave now, and will be one and one-half times as old as him in four years, how old is she now?
 - (A) 4 (B) 6 (C) 8 (D) 10 (E) 12
- 25. A swimming pool is filled in 2 hours by two pipes running simultaneously. If the first pipe is not running, it takes the second pipe 6 hours to fill the pool. How many hours would it take to fill the pool using only the first pipe?

 (A) 2 (B) 3 (C) 4 (D) 5 (E) 6
- 26. Mike and Ron ate in a restaurant. Each left a 15% tip for his part of the meal. If Mike's tip was \$1.50, and Ron's tip was \$2.25, what percentage of the total bill was Ron's?
 (A) 25% (B) 40% (C) 50% (D) 60% (E) 75%
- 27. Triangle ABC contains a right angle. If sides AB and BC are both equal to√2, what is the length of side AC?
 (A) 1 (B)√2 (C) 2 (D)2√2 (E) It cannot be determined from the information given.

- 28. In the figure below, if ABCD and EFGH are rectangles, what is the sum of the measures of the marked angles?
 - (A) 180°
 - (B) 270°
 - (C) 360°
 - (D) 540°
 - (E) It cannot be determined from the information given.



29. Given: ABCD is a quadrilateral
Angles a and c each measure 60°
Side AB measures 2 inches

What is the length of diagonal BD?

- (A) 1" (B) 2" (C) 4" (D) 8"
- (E) It cannot be determined from the information given.

30. If
$$\frac{x}{y} = \frac{4}{7}$$
 and $\frac{y}{z} = \frac{2}{3}$ then $\frac{x}{z} =$

(A)
$$\frac{8}{21}$$
 (B) $\frac{6}{7}$ (C) $\frac{1}{2}$ (D) $\frac{3}{5}$ (E) $\frac{4}{5}$

31. A trucking company imposes a \$1.00 delivery charge, plus \$0.50 for each mile it carries a package. How many miles was a trip for which the company charged \$16.00 to deliver a package?

(A) $7\frac{1}{2}$ (B) 8 (C) 15 (D) 30 (E) 32

- 32. If 2x + 3x = 15, then 3x 2 =(A) 1 (B) 5 (C) 7 (D) 11 (E) 13
- 33. If 10 scheckels make a lira, and 35 lira make a talent, how many talents do 25 scheckels make?

$$(A)\frac{5}{7}$$
 $(B)\frac{1}{14}$ $(C)\frac{5}{2}$ $(D)\frac{2}{5}$ (E) 14

- 34. If 3x + 1 is an even number, which of the following is *not* an even number?
 - (A) x + 2
 - (B) x 2
 - (C) 2x + 1
 - (D) 2x 1
 - (E) All of the above
- 35. If this were a math problem on an actual SAT, which of the following would be true?

I. The correct answer would not appear on the test

- II. The correct answer could not be determined from the information given
- III. A choice of correct answers would be given
- (A) Maybe I, never II
- (B) Maybe II, never III
- (C) I and III always
- (D) All of the above
- (E) None of the above sometimes

STOP

IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS SECTION ONLY.
DO NOT WORK ON ANY OTHER SECTION IN THE TEST.



DENGLINGSE PERCHANISE



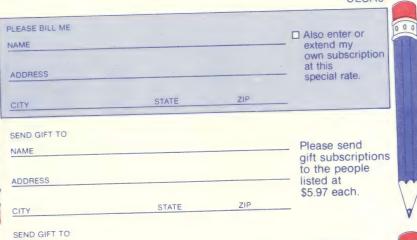
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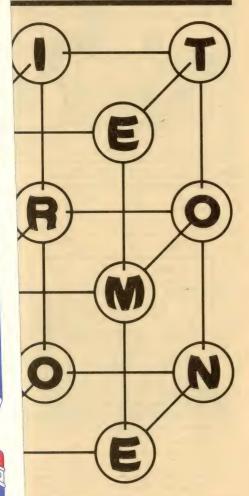


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- 18. Because of their obvious inadequacy, the contractor was dropped from the project.
 - (A) their obvious inadequacy, the contractor
 - (B) their obvious inadequacies, the contractor
 - (C) his obvious inadequacy, the contractors
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SECTION II: 15 QUESTIONS

- 21. If x and y are positive integers and $\frac{x}{y}$ = smallest possible value of x + y?

 (A) 2 (B) 4 (C) 5 (D) 10 (E) 12
- 22. What is the next number in the series 1, (A) 11 (B) 13 (C) 15 (D) 16 (E) 2

23.

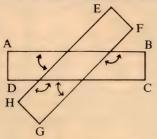


In the figure above, x = (A) 20 (b) 40 (C) 70 (D) 80 (E)

- 24. If Sharon is twice as old as Dave now, one-half times as old as him in four yea now?
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- 26. Mike and Ron ate in a restaurant. Eac part of the meal. If Mike's tip was \$1.: \$2.25, what percentage of the total bil (A) 25% (B) 40% (C) 50% (D)
- 27. Triangle ABC contains a right angle. both equal to $\sqrt{2}$, what is the length of (A) 1 (B) $\sqrt{2}$ (C) 2 (D) 2 $\sqrt{2}$ (E) determined from the information give

IF YOU FINISH BEFORE TIN DO NOT W

- 28. In the figure below, if ABCD and EFGH are rectangles, what is the sum of the measures of the marked angles?
 - (A) 180°
 - (B) 270°
 - (C) 360°
 - (D) 540°
 - (E) It cannot be determined from the information given.



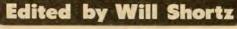
29. Given: ABCD is a quadrilateral











Illustrated by Greg Scott

25

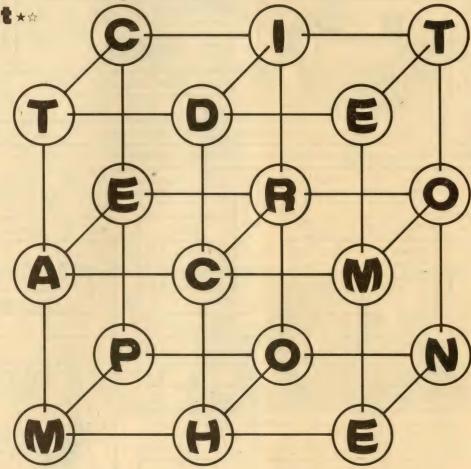
3-D Word Hunt **

by Linda Bosson

How many five-letter words can you find in the three-dimensional block of letters at right? A word may start at any letter, but must proceed along balls that are consecutively connected by straight lines. For example, the word CREAM starts at the C in the middle of the front side of the block, moves back to the R, left to the E, forward to the A, and then down to the M. In forming a word you may return to a letter and use it twice (as in MOTOR), but may not stand on a letter and use it twice before proceeding (as in DITTO). Proper names are not counted.

We found 32 common five-letter words and at least 15 less common ones in the block. Get a perspective on the puzzle, prepare yourself for some solid thinking, and then see how many five-letter words you can find.

Answer Drawer, page 66



CREAM

GAMES tsop/erut 1980

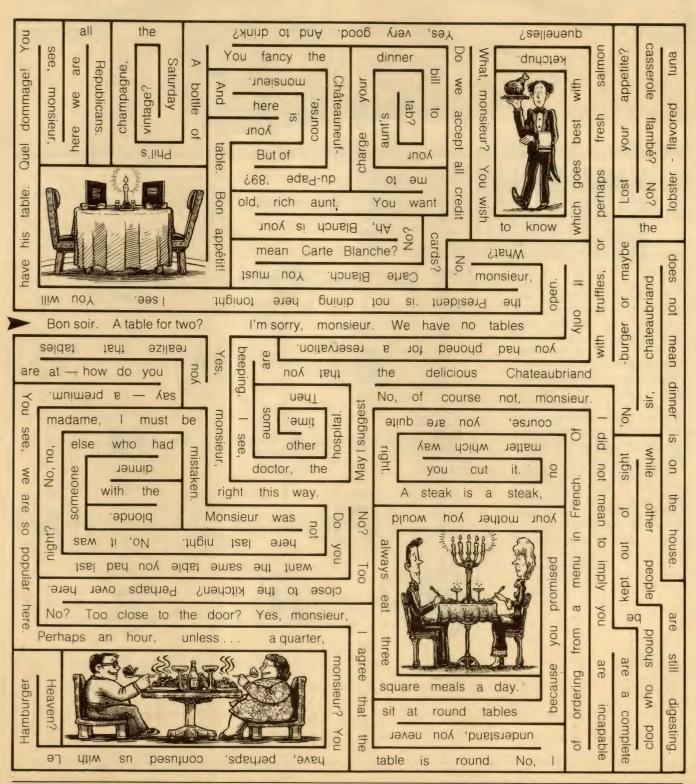
Table for Two *

A Literal Maze by Robert Fenster

You arrive at an elegant French restaurant with the date of your dreams. On your left in the dining room you see an

empty table. Can you weave your way around the maitre d' and the other diners to reach it?

Answer Drawer, page 66



Score: 3-0*

by William Lutwiniak

ACROSS

- 1 Pinball finis
- 5 Folded
- 10 Prepare for publication
- 14 Zone
- 15 Beatle
- drummer
- 16 Nary a one17 Final decision
- time: 4 wds.

 20 Naval officer:
 Abbr
- 21 Picnic intruders
- 22 Damaged
- 23 "If the shoe
- 24 Suffer defeat
- **25** Caesar's Palace, for one
- 28 Sweet table wine
- **32** Terminate before completion
- 33 "___ in one's belfry"
- 34 "My dog ____
- 35 Gets down to cases: 4 wds.
- 39 That guy
- 40 New York canal
- **41** $\frac{1}{16}$ of a pound
- 42 Atomic particle
- 45 Saunters
- 46 That woman's
- 47 Bakery goody

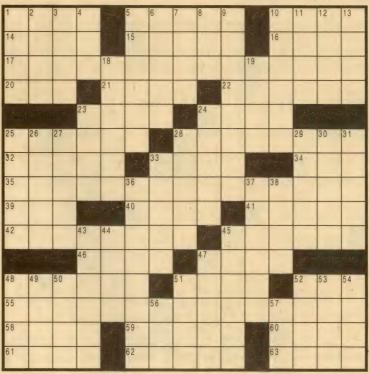
- 48 St. Francis of ____
- **51** Put on the payroll
- 52 Ike's party: Abbr.
- 55 "Can't-miss" distance: 2 wds.
- 58 Pout
- **59** Fencing thrust
- 60 Bleached out61 Fraternal order
- **62** Goaded
- 63 Water pitcher

DOWN

- 1 Word with red or ticker
- 2 Branding ____3 Maui garlands
- 4 Sunner's goal
- 5 PDQ
- 6 Elevators, in England
- 7 Country hotels8 Individuality
- 9 Squirrel's kin
- 10 Main dish
- 11 Sullen
 12 Concerning:
- 2 wds.

 13 Incline toward
- 18 Contaminates19 Toward the rising sun
- 23 Smokey's

- 24 Workshop tool
- 25 Stash
- 26 Come to ____ (reach 212°): 2 wds.
- 27 WWI battle site, with "the"
- 28 Lustrous fabric
- 29 German river or wine
- 30 Miss Drew, of The Hidden Staircase
- 31 ____ Park,
- Colorado
 33 Golfer Julius
- 36 Ivan the ___
- **37** "... for richer, for _____."
- 38 Evict
- 43 Wall cracks
- 44 Experiment
- 45 Graded
- papers
 47 Slight trace
- 48 Church area
- 49 Ray Charles'
- **50** Cloth for ties
- 51 Dangle
- **52** Chew, as a bone **53** Eye amorously
- 54 One's equal
- **56** Haul
- 57 Mimic



Answer Drawer, page 68

Counterintelligence *

by Gene Traub

The answers to the 14 clues below have something in common. Can you discover what it is and fill in the 14 blanks? (Once you see the pattern, the remaining answers should come quickly.)

Answer Drawer, page 68

- Last drink before driving home

 Quarter, familiarly

 Larry, Moe, and Curly
- 4. Lucky outdoor find
- Budding beard
 Wild West revolver
- 7. Snow White's friends



- 8. Familiar pool game_____
- 9. Cat's capacity_____
- 10. Moses' tablets_____
- 11. Last possible moment_____
- 14. Precious jewelry metal_____

Patently Absurd **

Cryptograms

by Norma Gleason

The four devices being demonstrated below are actually on file at the U.S. Patent Office. To find out what they are and what they do, try solving the cryptograms beside the illustrations. As always, letter substitutions remain constant throughout each

cipher (if L represents F in one word, it represents F in every word), but change from one cipher to the next. When you are done, see the Answer Drawer for further details on these technological breakthroughs.

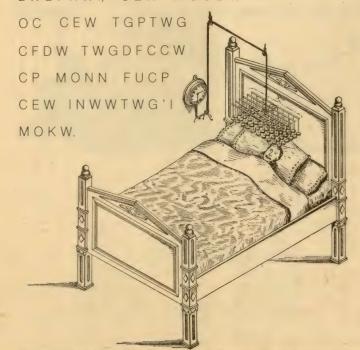
Answer Drawer, page 68

1. EWJ-IBBQMS JBIUWRO ICEWJ



2. COKCFNW ONOGD KNPKZ

OKCFBOCWL VH OSCPDOCFK LWBFKWI, CEW MGODW FI

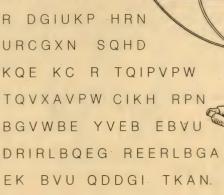


3. JSJPBHDP JQBHMPBGH GT VGDUGAU

EYJA BYJ PKHHJAB DU BKHAJN GA, DB EDSS HKA NGEA THGC BYJ AJPW MAN NHME GKB BYJ VGDUGA MB BYJ AJFMBDLJ



4. DRIRLBQEG CVIG-GULRDG





Classical Illusions **

by Judah Koolyk

ACROSS

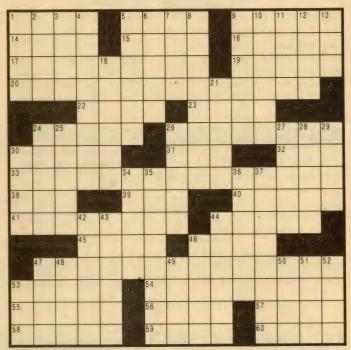
- 1 Pound of poetry
- 5 Ambush
- 9 Mickey Mouse's dog
- 14 Prevaricator
- 15 Verdi heroine
- 16 Indian princess
- Telephone worker, perhaps
- 19 Beneath
- 20 Ankle neighbor: 2 wds.
- 22 Eskimo "wheels"
- 23 On the sheltered side
- 24 Lecherous one
- 26 Sliding sideways
- 30 Bric-a-brac
- 31 Kind of blanket or suit
- 32 What caviar is made of
- 33 Great attempt: 2 wds.
- 38 Oklahoma city-
- 39 Umpire's cry
- 40 Forearm bones
- **41** Shows honor (to)
- 44 Says the rosary
- 45 Bring up the _ (be last)
- 46 Injection

- 47 1970 NASA project: 2 wds.
- 53 Raisin, before
- 54 Totally dependent on
- Weasel's kin
- 56 Command for Fido
- 57 Brother of 16-Across
- 58 Looks closely
- 59 Returns on investment: Abbr.
- Joy Adamson's lioness

DOWN

- 1 Writer Kazan
- 2 Kind of ointment
- 3 Sign of measles 4 Gifted, as
- Picasso
- 5 More like Jabbar
- 6 Het up; excited
- 7 Fruit drinks
- 8 Participated
- 9 Clipped rose bushes
- 10 Brought a plane in
- 11 Ruin
- 12 High-schooler
- 13 Poet's antonym for 19-Across

- 18 "___ Need Is Love" (Beatles song): 2 wds.
- 21 Blue-blooded
- 24 Brushed leather
- 25 Tapestry
- 26 Hits like Babe Ruth
- 27 Sarcasm
- 28 Asta's mistress,
- et al.
- 29 Acquires 30 Burn; scorch
- 34 Not express
- 35 Healthful nutrition
- 36 Rages; uproars
- 37 Motorist's mishap: 2 wds.
- 42 Prim's partner
- 43 Moray catchers
- 44 Medicine bottles
- 46 Destroy documents
- 47 Laugh-In's 'dirty old man''
- ____ de foie gras
- 49 Asian weight
- 50 And others: Abbr.
- 51 German "ones"
- **52** College sports
- 53 Ford's party: Abbr.



Answer Drawer, page 69

Say What?**

by Lola Schancer

A writer we know refuses to use the word "said" in his literary dialogues. He claims there are plenty of synonyms that are more vivid and appropriate to any given situation. Perhaps. But we think he may have carried things too far when he wrote that

Geraldine Brooks "babbled" ... Orson Welles "gushed" ... and Farrah Fawcett "spouted." How do you think he would have the following people "say" their lines?

1.	Clockmaker
2.	Dogcatcher
3	Whaler

5. Plumber.

6. Postmaster_

8. Weatherman_

9 Stockbroker

Answer.	Drawer,	page 66	
---------	---------	---------	--

10.	Governor		
11.	Jockey		
12.	Rancher		
13.	Dentist		
14.	Accountant	*.	
15	Bicyclist		

16. Short-order cook____

7. Prospector_

Brain Games 2 **

Sixty Minutes of Mental Calisthenics

by Will Shortz

Pity the poor brain. Twenty-four hours a day it must regulate the bodily functions, decide what to eat, worry about the declining state of the world, and dream in Freudian symbols. It's like a live-in maid who never gets a vacation. Well, all work and no play makes for a dull head. In Brain Games 2, published this summer by Simon & Schuster, Games Associate Editor Will Shortz comes to the rescue with over 150 brain-teasing word games and puzzles. As these seven selections from the book show, all you need to solve the puzzles is a nimble mind (no special vocabulary or esoteric knowledge). So lock up your dictionary, take the phone off the hook, and set the alarm for an hour-that's your time limit. The maximum score is 100 points. Go!

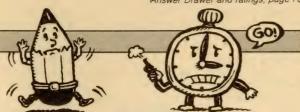
Answer Drawer and ratings, page 70

PART 1: FOLLOW-UPS Score 2 points each. Top score: 16

What word follows the five in each set to complete a compound term or a common two-word phrase?

CLUB Example: Golf Book Night Glee Country

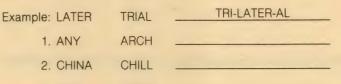
- 1. Handle Crow Salad Roll Singles ______ 5. Lip Military Answering Church Public
- 2. Cup Birthday Pound Cheese Fruit _____
- 3. Pillow Double Small Baby Shop ____
- 4. Speed Rat Tourist Booby Clap



- 6. Black Fox Button Swimming Knot
- 7. Steeple Lumber Apple Jumping Union
 - 8. Station Coffee Day Heart Jail

PART 2: INSIDE TRACK Score 1 point apiece. Top score: 12

Insert one of the words of each pair into the other to spell a new word.



3. SPA **TRESS**

4. WILDEST BEE

ISLE 5. MAD 6. DIME RUNT



COURSE

IMPISH

8. PANT TIE

9. THERMOS NET

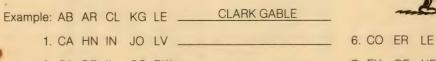
CONE 10. LOG

11. OVER

12. CITED ONCE

PART 3: MIXED DOUBLES Score 2 points apiece. Top score: 20. Rearrange the five pairs of letters of each set to spell the name

of a famous person. (You do not need to rearrange letters within the pairs.)



2. CA DE IL OS RW ______ 7. EY 3. AG AS OR PY TH ______ 8. CT

4. EC IE MA RI UR _____ 9. DI 5. EL EY HI IW TN _





PO RT

NE

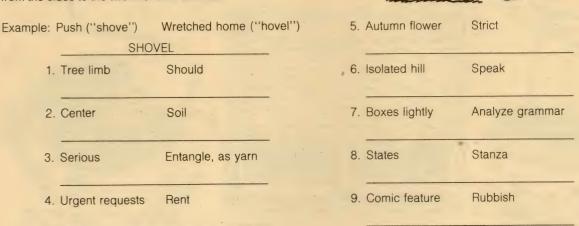
WA

____ 10. AN ED

From Brain Games 2 by Will Shortz. Copyright & 1980 by Will Shortz. Reprinted by permission of Simon & Schuster.

PART 4: FORE AND AFT Score 2 points each. Top score: 18.

Each answer is a six-letter word that becomes a five-letter word when its first letter is removed and a different five-letter word when its last letter is removed. Guess the six-letter words from the clues to the two five-letter words.



PART 5: PUNCTUATION NEEDED Count 7 points for solving this one.

Can you punctuate the following sentence so it makes sense?

I will find a turtle shell insist in the stream

88.89

PART 6: INTERJECTIONS Count 2 points apiece. Top score: 20.

Provide an appropriate interjection in reply to each statement. The first letter of each answer is given.

Example: "I knew George Bernard as a child."

"PSHAW !"

1. "This is top-grade luncheon meat."

"B !"

2. "Moths ate holes in my woolen socks."

"D !"

3. "My puppy ran away."

"D !" (hyph. word)

4. "The mousetrap you bought is too big."

"R "!"

5. "Sorry, no more corn to husk."

"S!"





6. "There is no anagram for 'hogs."

"G

7. "Those beavers blocked our stream again."

"D !"

8. "You knocked over the cockney's rings."

...0

9. "This is French water."

"0 !"

10. "What a strange custom they have in India."

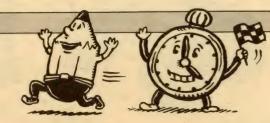
"H C

PART 7: CAN YOU CRACK THIS? Score 7 points for the answer.

What common eight-letter expression, meaning "failure," contains three pairs of double letters? The first letter is G, the fourth letter is S, and the expression consists of two words.

G____S____

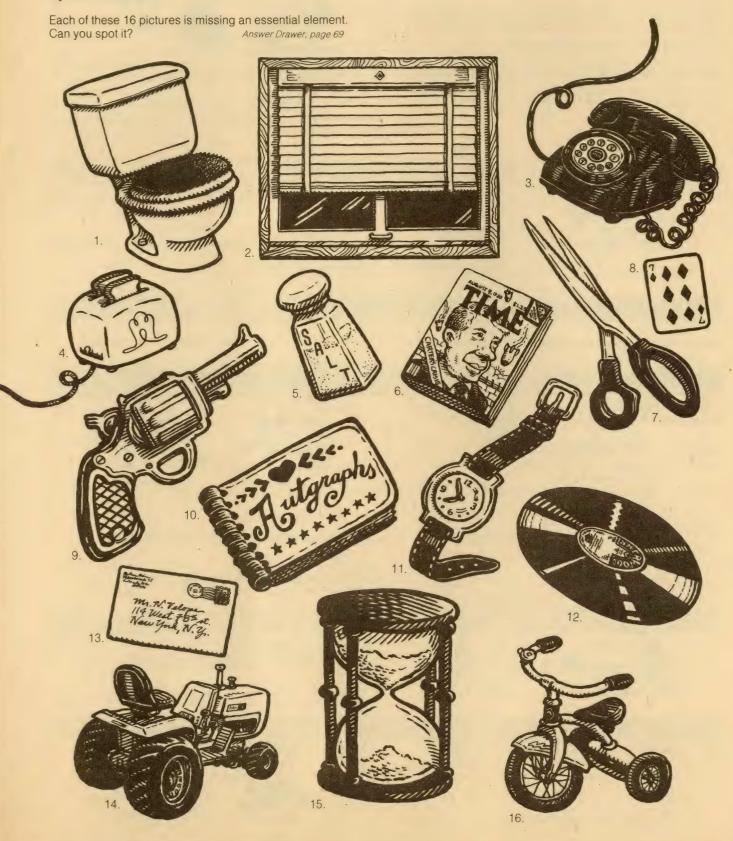
1ST PAIR 2ND PAIR 3RD PAIR



31

Missing Parts *

by Ann Stone



WILD CARDS*

Edited by Lisa Feder



That 12 squared equals 144 comes as no surprise, but did you know that reversing those digits gives you an equally valid equation? (21 squared = 441.) The same is true for 13 and 31 (their squares are 169 and 961). What's the next pair of numbers with this unusual quality?

—George Cundari

Squaring Away

Answer, page 39





What is similar about a gorilla, an orphan, His Royal Highness Prince Charles, and Yul Brynner?

—Brian Katz, from Word Ways, May 1980

Answer, page 39

Teasers



Reel Games

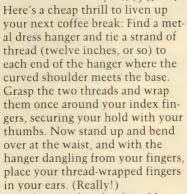
Games made guest appearances in the movies listed here. See if you can splice the right game to the film that featured it.

- 1. Born Yesterday
- 2. The Seventh Seal
- 3. Guys and Dolls
- 4. A Streetcar Named Desire
- 5. The Hustler
- 6. Pretty Baby
- 7. The Deer Hunter
- 8. Last Year at Marienbad
- 9. The Big Fix
- 10. Our Man in Havana
- a. Nim
- b. Checkers
- c. Gin Rummy
- d. Chess
- e. Craps
- f. Pool
- g. Sardines
- h. Russian Roulette
- i. Clue
- j. Poker

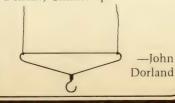
Answer, page 39

Stunts





Make sure that the thread hangs freely from your ears to the hanger, and then ask a friend to tap the center of the hanger with a pen. (If you must go it alone, you can gently swing the hanger against a desk or a chair.) Chimes up!



Hall of Fame

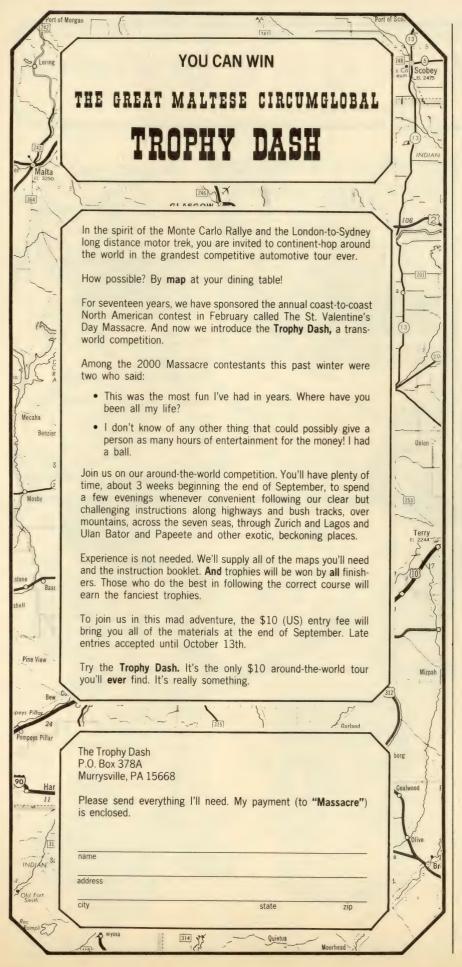
The People's Choice

One offered us a chicken in every pot; another promised us the moon. Throughout the years, presidential candidates have told us anything—and given us what? Catchy phrases to remember them by. Can you recall which president coined each of these campaign slogans?

- 1. Don't Switch Horses in the Middle of the Stream.
- 2. A Square Deal.
- A Great Society.
- 4. A Return to Normalcy.
- 5. A New Deal.
- 6. He Kept Us Out of the War.
- 7. Prosperity is Just Around the Corner.
- 8. Why Not the Best?

—J.A.

Answer, page 39



Trivia



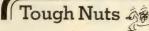
Science of the Times

"High Tech" is not just for scientists anymore. In this day and age, we *all* know our ohms from our mhos—don't we? Plug into this little quiz to test your knowledge of current events.

- 1. Is a piece of cosmic debris found on the ground called a meteor or a meteorite?
- 2. Is the common synonym for "atomic" pronounced NU-KLEE-UR or NU-KYA-LUR?
- 3. "Me first" vs. "Me only": which is the egoist and which the egotist?
- 4. Is a degree Fahrenheit five-ninths of a degree centigrade, or vice versa?
- 5. Is a light-year a unit of time or distance? How about a parsec?
- 6. If you have a high threshold of pain, are you more or less sensitive to pain than someone with a low threshold?

—Jon Freeman

Answer, page 39

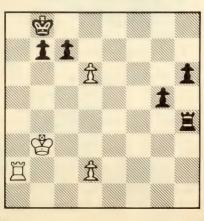




Surprise Ending

White is to move in this position. With best play by both sides, who will win? (Warning: the position may look simple, but each player has a trick or two up his sleeve.)

-Mel Stover



Answer, page 39

If...,Then..



The Sorcerer's Library

As the witch Sabet was searching the Miskagin Forest for toads one day, she fell into the lair of a clever wizard. The wizard decided to give Sabet a chance to escape with a test of her deductive powers. He took her into his library and pointed to a shelf of ten books, which were lined up in this order:

- 1. Encyclopedia Necromania
- 2. Atlas of the Zodiac
- 3. Autobiography of Percival the Wizard
- 4. Gandalf the White
- 5. Attacks of Rabid Red-Spotted Vampires
- 6. Dragons, Dungeons, Dwarves
- 7. Beelzebub's Complete Works
- 8. Brews for Microwave Ovens
- 9. A Lord of Sorcerers
- 10. A Hex Rated X

The wizard then pointed to a second shelf of books, which were lined up in this order:

- a. The Joy of Hex
- b. Care and Feeding of Succubi
- c. A Mouse Over Phantom Rock
- d. Was the Lone Ranger Anti-Werewolf?
- e. Introduction to Alchemical Equations
- f. How to Win Friends and Influence Creeples
- g. Decline and Fall of the Roman Vampire
- h. What to Do Until the Parapsychologist Comes
- i. Consumer Guide to Coffins, Vaults, and Tombs
- j. Who's Who Among Ghosts, Goblins, and Globolinks

The wizard explained to Sabet that all she had to do to escape was to find the one book on the second shelf that belonged on the first shelf, and to put it there in its proper place.

Sabet figured out the wizard's trick in 20 minutes. Can you do better?

-Dan Crawford

Answer, page 39

Look

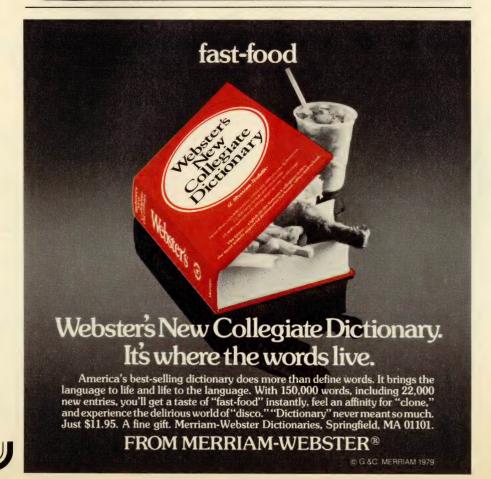
Lip Service

Here is a class of a dozen boys, who, being called up to give their names, were photographed just as each one was commencing to pronounce his own name. The twelve names were Oom, Alden, Eastman, Alfred, Arthur, Luke, Fletcher, Matthew, Theodore, Richard, Shirmer, and Hisswald. Can you lipread each face in this class portrait and identify each boy correctly? Hint: Reading the list aloud helps.



-from Sam Loyd's Cyclopedia of Puzzles. ©1913 by Sam Loyd.

Answer, page 39



THE ATARI PERSONAL COMPUTERS. **YOU SHOULD KNOW** WHY SO MANY PEOPLE ARE BUYING THEM.

Computers helped to create big business and big government.

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> > mathematically whether real estate in Goldsboro is a better buy than gold stock.

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One of the things that's revolutionary about the Atari Personal Computer is that it adjusts its teaching speed to your child.

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An Atari Personal Computer has a voice that teaches, asks questions, and tells your child whether he or she has the right answer. If your child gets a wrong answer the





ATARI 400"

All programs referred to or shown will be available as pre-programmed cartridges or cassettes in 1980, or are examples of programs which can be written in Atari BASIC. Atari reserves the right to modify programs or products without notice. *Programs and peripherals not included.



computer doesn't have to move on to someone else, in order to save time. It waits for your child to answer the question correctly.

Atari has a wide variety of these unique Talk & Teach™ programs for kids at all grade levels, from primary school to 12th grade.

Atari also has programs for adults that let you improve your abilities in everything from economics and accounting to supervisory skills and business communication. Atari's incredible *Music Composer* enlarges your creative ability through its own ability to play back every note that has been played on it—even in altered keys or tempos.

Our entertainment puts your mind to work, not to sleep.

You'll discover how much fun "smart" entertainment is when you try to outfox our computer in a game of chess. Or develop a levelheaded strategy while shooting off photon torpedoes in a game called *Star Raiders*. The photon torpedoes in a game called *Star Raiders*.

Our games force you to think quickly, analyze moves and outwit your Zylon opponents. Even our action games like computer *Basketball* sharpen your reflexes.

What makes our computer games even more fun are the brilliant colors and true-to-life sounds. In fact, Atari has more color variations, more sounds and more graphics capabilities than any other personal computer on the market.

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When you want to learn to write your own programs, that's easy too.

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It pays to own an Atari.

Now that you have a pretty good idea of what Atari Personal Computers can do, we think our suggested



starting price of under \$700 for the ATARI 400* should sound reasonable.

If you're one of those people who feels that a personal computer is an extravagance in difficult financial times, we'd like to make one more point.

Difficult financial times may be your best reason for owning one.

PERSONAL COMPUTER SYSTEMS

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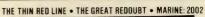
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THE THIN RED LINE • THE GREAT REDOUBT • MARINE: 2002

Party Games

Plain Geometry

Those everyday objects—from a toothbrush to the spatula you use to flip your eggs-may be as familiar to you as the back of your hand, but do you really know what they look like? Below is a list of common items whose sizes are uniform. Can you draw their outlines without benefit of seeing the objects before you? Try it, then round up these items and compare them to your sketches to see how vou measure up. You may be surprised.

- 1. Draw a rectangle the size of a standard playing card.
- 2. Draw a circle the size of a quar-
- 3. Draw a square the size of a pat of butter.
- 4. Draw a triangle the size of a hole made by a "church key" can opener.
- 5. Draw a line the length of a stick of chewing gum.

For the Record

All The News That's Fit to Misprint

Although much of today's news is pretty grim, often a single, simple error can transform the solemn into the ridiculous. Sample these:

Seven eggs were hurled at the President's car. He ducked as three were smashed into the windscreen of his pullet-proof limousine.

-Scottish Daily Press

More than 150 were believed killed, many villages and towns were devasted, hundred of peanuts made homeless.

-Richmond Palladium. Indiana The annual Christmas party at the Ashley school was hell yesterday afternoon.

—Springfield, Massachusetts paper

Then one of the newer Labour MP's rushed across the floor to shake a clenched fish in the Prime Minister's face.

-Western Mail. Cardiff

-from Funny Ribtickleous and Funny Ridiculous (Pan Books, Ltd.). © 1979 by Denys Parsons

No Kidding

Birthday Baffler: How to Guess Someone's Age from the Number of Hours of Television He Watches

If you want to find out someone's age, don't come right out and ask; trick the person into telling you.

Ask a question that must have a number for its answer, such as: How many hours a week do you watch television? or, How many magazines do you read every week? or, How many brothers and sisters do you have? The question is not important; it just makes this trick more interesting and personal than the old "pick a number, any number" routine.

Instruct the person

- to double the number that answers the question;
- to add 5; and

BATT

• to multiply by 50.

Then ask, "Did you have your birthday yet this year?"

- If he answers yes, tell him to add
- If no, to add 1729.*
- Last, have him subtract the year he was born and then tell you what number he has ended up with.

The answer will reveal the original number and your friend's age in that order. (His age will appear in the last two digits, and the answer to the question you asked him will appear in whatever preceding digits there are.) So, if the result is 736, for example, you can say, "You watch 7 hours of television, and you are 36 years old.'

You can have a lot of fun with this trick . . . if you don't mind losing friends.

-G. R.

* These last two numbers change with each calendar year, and should always be (respectively) 250 and 251 less than the current year.

THE IRONCLADS

ULTIMATUM

BEAST LORD .

표

WILDCARD ANSWERS

Squaring Away

The next pair of numbers possessing this quality is 102 and 201 (their squares are 10,404 and 40,401).

We're Scratching Our Heads

One has a hairy parent; the second has ne'er a parent; the third is the heir apparent; and the fourth has no hair apparent.

Reel Games

- 1. c, Gin Rummy
- 2. d. Chess
- 3. e, Craps
- j, Poker 5. f, Pool
- 6. g, Sardines
- 7. h, Russian Roulette
- 8. a, Nim
- 9. i, Clue
- 10. b, Checkers

The People's Choice

Herbert Hoover promised a chicken in every pot (as well as prosperity) and John F. Kennedy promised us the moon. The other slogans were coined by the following presidents:

- 1. Abraham Lincoln
- Teddy Roosevelt
- Lyndon Johnson
- 4. Warren Harding
- 5. Franklin Roosevelt 6. Woodrow Wilson
- Herbert Hoover
- 8. Jimmy Carter

Science of the Times

- 1. In space it's called a meteoroid; in the atmosphere, a meteor; and on the ground, a meteorite.
- Nuclear is correctly pronounced NU-KLEE-UR.
- "Me first" is an egoist's creed; "me only," an A Fahrenheit degree is the smaller unit: five-ninths
- of a degree centigrade (or Celsius).
- 5. Both a light-year and a parsec are units of distance; a parsec is equal to about 31/4 light-years.
- 6. If you have a high threshold of pain, you're less sensitive to it.

Surprise Ending

White wins. At first, Black's position looks good, but after 1. Ra2-a8+, Kb8xa8 2. d6xc7 White seems to be winning. Black is not through yet, however, and ..Rh4-c4, 3. Kb3xc4, b7-b5+, Black seems to be sure of winning. But wait! 4. Kc4-c5, Ka8-b7 5. Kc5-d6, Kb7-c8 6. Kd6-c6, b5-b4 7. d2d4, b4-b3 8. d4-d5, b3-b2 9. d5-d6, b2-b1=Q 10. d6-d7 mate.

The Sorcerer's Library

Each of the books on the first shelf has a title in which all of the words fall in alphabetical order. The books are arranged on the first shelf in alphabetical order according to the last letter of each title. Thus, it is book C from the second shelf (A Mouse Over Phantom Rock) that belongs on the first shelf. Sabet correctly placed it between book 4 (Gandalf the White) and book 5 (Attacks of Rabid Red-Spotted Vampires)

Lip Service

Top row, from left: Matthew, Alfred, Eastman; second row: Richard, Theodore, Luke, and Oom; bottom row: Hisswald, Shirmer, Fletcher, Arthur, and Alden.



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Gee Whiz ***

by Mel Rosen

ACROSS

- 1 For gents only
- Getup
- 9 Today, in Genoa
- 13 _ in the back
- 17 Corporate symbol
- 18 Dyeing apparatus
- 19 Iranian money
- 20 Marie Wilson role
- 21 Gathered together
- 23 Glissandos relatives
- 25 Make a guttural sound
- 26 Goes, to Thomas Gray
- 28 Ms. Dickinson
- _! A mouse!" 29 " 30 Benny Goodman's
- "sound"
- 32 Princess's nickname
- 33 Bearing, old style
- 35 Gouge, to a con man
- 36 Mortarers
- 41 Silly goose
- 42 Thrown aside
- 43 Give
- 44 Creek, in Granada
- 45 Pilfering
- 47 Gloss 48 Two-year-old sheep
- 49 Shilly-shallying
- 50 Dirt
- 51 Glaucus, et al.
- 52 Gerund ending
- 53 Eggs on
- 54 Ganoid fish 55 Hell's Angels,
- e.g. 57 Grand Canyon Suite composer
- 58 Romany roamers
- 62 Phileas, of fiction
- 63 Gargantua, for one
- 64 Agreed grudgingly
- Mobile home?: Abbr

- 66 Gobbles down
- 67 Jim Nabors role
- Give a name to
- Grotesque figure
- 71 Gluttony, in a way
- 72 Coagulates
- 73 River to the Rhine
- Soft drink Modest realty
- purchase
- Gene Hackman's Oscar role
- demonstrandum
- summers
- charge
- communications
- Abbr

DOWN

- Garment for
- 3 Became hostile
- 5 Glove used as
- Ottoman title
- Gave back: Abbr.
- In the works
- Gibbon's cousin
- 11 Generation and mountain, for
- _ de France
- Set off a series
- 15 Mine, to Gigi

- Forward and reverse, e.g. N. Afr. country Tidal wave Bridge expert Charles Egyptian beetle
- 83 Family matriarch
- Quod_
- Continental
- Go on 93 Guardian's
- Seance
- Gradations:

- 1 Smelting residue
- Germanicus
- Neck armor
- a challenge

- 10 Encircle
- example
- 13 Official seal of events
- 16 Ignoble
- 39 Getups 40 Grow weary

22 Wapiti

twin

24 From A to Z

30 Caused hurt

31 Buck's dancing

feelings

partner?

family

ball

38 Wedded

33 Fight wound

34 Noble Italian

35 David's weapon

36 Garbanzo beans

37 Use a wrecking

27 Chang's Siamese

- 42 Impulsive, shortlived romance
- 46 Subject of study
- of sorts
- subjects
- 51 Gawker
- 53 Product of 54 Shackled.
- old style

- 43 Glissade gerontologist's
- 47 Greediness.
- 48 Sculptor's
- 50 Gorillas; thugs
- Graves, France
- 55 Basketball great Tom

- 56 Gelatinous substances Goldfish's
- 'lung'' 58 You're reading it
- 59 Gather together 60 Relative of
- 'etc. 61 Gets wet 62 Cigarette,
- informally 63 Gal's partner
- 64 Busy person 66 Pierced
- Actor Farley 67 70 Gemstone
 - 71 Command to a plowhorse

- 72 Glowered 74 ____ Guignol

Answer Drawer, page 69

- 75 Expert 76 On a par with:
- Fr. 77 Alms box
- 78 Crazy 79 Gent who made
- tents 80 N.C.O.s
- 81 Shake
- 82 "Good Queen _ 84 Grimalkin's cry
- 86 George Gershwin's brother
- 87 Grab a few winks

Quaint English Towns *

Fictitious Geography

by George Gipe

One of England's most famous communities is the birthplace of William Shakespeare, Stratford-on-Avon, or town of Stratford on the Avon River. In olden times places were often named in this fashion to distinguish one town from the other according to the body of water on which each was located.

This curious custom led us to devise our own fictitious map of towns-on-rivers whose names form familiar phrases—like

Knock-on-Wood and Stand-on-Your Own Two Feet. Eight rivers (designated A-H below) and seven towns (1-7) are not labeled, though. Can you supply the names? For example, river "A," with the town "Never" on its banks, should be called "Sunday" to form the full name "Never-on-Sunday." Please note: River F has two towns on it, and towns 2 and 3 are each on two rivers.

Answer Drawer, page 70



Cryptic Crossword ***

by Chris Johnson

Simplicity and deception are the twin charms of the cryptic crossword. While the clues may not look simple at first, they do follow one simple rule: Each consists of a direct or indirect definition of the answer and a second description of the answer through wordplay. Finding the two parts to a clue is the key to solving it. Being misled along the way is part of the fun.

For example, in 1-Across in the Warm-Up Puzzle, the clue appears to be advice to start enjoying life in the spring. But never mind the surface meaning. Break the clue between the first and second words. The answer, MAYBE ("perhaps") is MAY ("when April's over") plus BE ("live").

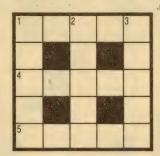
This type of clue is known as a charade. As in the game of charades, the answer is broken into parts and these are defined in order (unless the clue indicates otherwise). The whole answer is also defined, either before the parts or after them. If you are new to cryptic crosswords, watch for charades in these clues in the puzzle below: ACROSS: 4, 11, 14, 22*; DOWN: 4, 6*, 15, 16 (* in combination with other wordplay).

Other common types of clues are reversals (WOLF/FLOW), anagrams (STONE/ONSET), curtailments (CAMEL/CAME), second definitions (two meanings of the word BARK), and concealed words (cast IRON). These have been or will be discussed in detail in other issues, and an example of each variety of clue appears in the Warm-Up Puzzle at right.

Answer Drawer, page 71

Warm-Up Puzzle for New Solvers *

with detailed explanations in Answer Drawer, page 71



ACROSS

- 1 Perhaps when April's over, live (5) *charade*
- 4 Ian is going back to the Mount of the Ten Commandments
 (5) reversal
- 5 Rubber trees readjust (5) anagram

DOWN

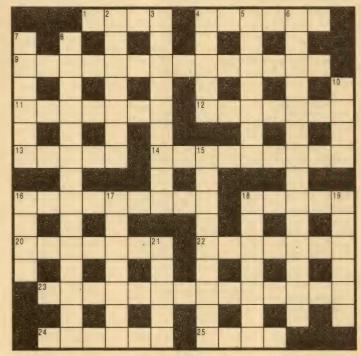
- 1 Penny-pincher has endless suffering (5) curtailment
- 2 Americans can be big jerks (5) second definition
- 3 Order in the dictionary (5) concealed word

ACROSS

- 1 A broken bead in the sack (4)
- 4 Albert's high card that is found by Lorraine (6)
- **9** For the old thing somehow is hanging on (7, 3, 4)
- 11 Communiqué that makes Army dinner the time of one's life (7)
- **12** Lowered the value of unusually bad seed (7)
- 13 Drew back when I entered the shack (5)
- 14 Solidity of U-boat position (9)
- 16 Sound of men's hierarchy that comes from a catalogue merchandiser (4, 5)
- **18** Anesthetic from sweet herbs (5)
- **20** Disparaging remarks lead to the man on the atoll getting beheaded (7)
- 22 Is most of the total returned to a strip of land? (7)
- 23 Indication of contemporary tendency—a newspaper billboard? (4, 2, 3, 5)
- 24 Fisherman who turns corners? (6)
- 25 They said, "Get high with whiskey drinks!" (4)

DOWN

- 2 Outlaw group holds the carriage (7)
- **3** The soldier arose, went inside, put on clothes, and wandered off (9)
- 4 Insect the Associated Press covered up (5)
- 5 The horrible beast has a heart of iron, that's for sure (4, 3)
- 6 Bloomers made when the mothers follow Chris and Ann to the sound (14)
- 7 Disgraces me wearing untidy sash (6)
- 8 Category of class action that might suffer current reversal if I should enter into it (14)
- **10** Advantage seen in stripped gears (4)
- 15 Char is the woman's polisher (9)
- 16 Pole—good man with mother superior (4)
- **17** A number will have spoken about the noise (7)
- **18** Bent it lengthwise, in part, to qualify (7)
- 19 Withstand a mad sister (6)
- **21** Allude to a freer form (5)



Chris Johnson composes the cryptic crossword for the University of Toronto's alumni magazine The Graduate.

Double Cross **

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate words

in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the name of the author and the source of the quotation. Answer Drawer, page 71

11W 112F 113L 14A 115K 116D

441 435 440 470 466 437 307 310 328 3317 3417	42M 43H 6Q 67W 8H 89Q 90V
44N 455 40N 47Q 40D 45A 50V 51Q 52D 55N 54N 50C	8H 89Q 90V
688 69.1 70D 71E 72H 73U 74M 875F 76T 878C 791 80R 81X 820 83V 84N 85S 86M 87C	
91S 92U 93Q 94L 95K 96D 97W 98L 99S 100R 101G 102H 103P 104A 105Q 106P 107H 108X 1091 110E	111T 1121
113N 114W 115C-116X 1170 118F 119S 120V 121J 122T 1231 124L 125M 126X 127J 128Q 129R 130L 131H 132N	33M 134B
135U 136G 137P 138K 139T 140A 141X 142L 143D 144B 145O 146P 147M 148B 149K 150T 151H 152F 153J 154O 155U 156X	57B 158V
1590 160K 161U 162J 163M 1640 165N 166C 167X 168T 169J 170N 171S 172E 173D 174A 175Q 176N 177C 1780 179V	180D 181P
182J 183F 184Q 185S 186E 187X 188T 189P 190H 191I 192C 193R 194W 195M 196V 197H 198N 199O 200J 201V 202F	203S 204E
205A 206V 207L 2081 209E 210X 211A 212D 213U 214E 215U 216L 217D 218P 219M 220R 221L 222G 223S 224F 2251 226T 227E	
A. Tear roughly; wound	
B. All	52
C. Annoying; pesty	10
D. Outmaneuvered Willie Shoemaker 180 23 70 52 16 217 212 39 143	96 173
E. Value; merit	27
F. Weave together	
G. Benedict Arnold, for one	,
H. Space-walk condition: 2 wds	90 102
I. Errand; task	
J. Sensation; feeling 127 169 182 200 162 69 121 153	
K. Wisteria, e.g 95 15 34 138 160 -149	
L. Process of renewing, as a painting 13 19 55 94 98 124 130 142 207 2	16 221
M. Destroy; crush	
N. Dynamo; energetic one	32
O. Easily decided, as a case: Hyph. wd	78 199
P. Like a dirty old man	
Q. Ellis Island's use, once	84 175
R. Senator Baker's home	
S. Tender; loving	23 185 4
T. The Big Apple: 3 wds	68 150
	15
V. Extending back beyond record	06
W. Distant: Hyph. wd	
X. Cooperative Christian doctrine	21 126

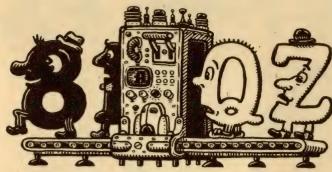
Cryptarithms***

Numerical Cryptograms

by Sidney Kravitz

In these cryptograms that use numbers rather than words. each letter stands for a different digit from 0 to 9. Use logic and arithmetic to discover the substitutions that will turn the names into correct additions. The puzzles all use different codes and get more difficult as you proceed. Each solution is unique.

Answer Drawer, page 70



•	COOTT	
0	SCOTT	
	+ COUNTY	+
	INDIANA	
	INDIANA	
0	GEORGIA	
U		
	+OREGON	· · · · · · · · · · · · · · · · · · ·
1	•	
	NEWYORK	
0	ATLANTA	
	+BOSTON	6 19 4 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10
	. 5001011	
	SEATTLE	
	SEATILE	
0	TEXAS	
	*	
	KANSAS	
	+ALASKA	4 · · · · · · · · · · · · · · · · · · ·

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easier." First, fold this page back on the dashed line so the clues below face the solving grid on page 47. If you use only the Hard Clues (appearing below, and continuing under the grid), you'll find the puzzle uncommonly challenging. If you need help, or prefer a less severe challenge, open to the Easier Clues (tucked in beneath your fold on page 46). Remember, to peek or not to peek is up to you.

The World's Most **Ornery Crossword**

Give It a Whirl by Jordan Lasher

Hard Clues ***

ACROSS

- 1 Gym gear
- 5 School-calendar highlight
- 9-mm pistol
- Moslem judges 22 Hankering
- 23 Wail
- 24 Novelist Wylie
- 26 Much woe
- 27 Shortest distances, on a sphere
- 29 Song adapted from the Book of Ecclesiastes
- **31** Olav's kingdom
- 32 Western Indians
- 34 Dors and Lynn
- 35 Pass the plate
- 36 At right angles to a ship's keel
- 37 Maul
- 40 Capital of Western Australia
- 42 Mouth: Prefix
- 43 Like "Merrie Englande'
- 44 Fleet 45 Entertainer from
- Kakaako, Hawaii _ never
- (ultimatum)
- Land west of the Urals
- 51 Honshu city
- 52 Aswirl
- 54 Est Est Est, e.g.
- 55 Massachusetts town
- 58 Cheerful ditty
- 60 Singular
- 62 Word with cracker or jerk
- 64 Lettuce or kale
- Alluring woman
- Prepared
- Ocean-floor feature

- 72 Casualty of Tiny Tim's tiptoeing?
- 73 Ambracian Gulf
- 74 Slips by
- 75 Vinegary 77 Clay mixture
- 78 Nonecclesiastic
- 79 Geometrical surface
- 80 Electra's father
- 82 Deleted
- 83 One of three baseball brothers
- 84 Greek city-state Coast Guard
- women
- 86 Witching hour
- 88 Cassia plant extract
- 90 Nearest star to Earth
- 91 Trenchant
- 92 One-time English teenager
- 95 Journalist Milton _ (1858-1930)
- 99 Fuchsin or eosin
- 101 Mermaid. reputedly
- 102 Moslem leader
- 104 Bay at the moon
- 105 Chemist's measures: Abbr.
- 108 Winter wheels
- 112 Pigeonhole
- 113 Geminated
- 114 D.C. regulars
- 116 "Supply is always matched by demand'
- 117 Lollobrigida or Loren, e.g.
- 118 Ancient Peruvian: Var.
- 119 "He was a scholar, and _ and good one ... (Shakespeare)
- 121 "___ me God"
- 122 Amahs
- 123 Relinquishes

- 124 Units
- 126 Turnov's river
- 127 Mother of purl?
- 128 Hebrides island
- 129 Child's toy
- 132 Element No. 26
- 134 Transportation to Oz
- 137 Pro Bowl side: Abbr.
- 140 Baseball
- umpire's call 141 One way to
- evaluate stocks 143 Sycophant
- 144 German river
- 145 Achromat
- 147 Applicator
- 149 Kin of mister
- 151 Pre-
- 152 Razor-billed auk
- 153 Part of NATO,
- for short 154 Photog's chemical
- 156 Memorable boxer
- 158 Withdrew
- 159 Steam duct
- 162 Heavenly helix
- 166 Balkan capital
- 167 Sphinxlike 168 Where beys ruled
- unenviable position
- 170 First code words
- 171 "East" or "West" city resident
- 172 Stereo part
- 173 Dental degs.

- 1 The Rose Tattoo star
- The man on the
- flying trapeze It ended at
- Yorktown Canal
- 5 Ethel's cohort
- Baba, of fable
- 7 Lebanese seaport

STATES



Easier Clues *

ACROSS

- 1 Small rugs 5 December 31, in the year: 2 wds.
- 12 Olympic sledder
- Islam law-givers (ACIDS anag.)
- 22 Hurt
- 23 Lament (LULU TEA, anag.)
- 24 Actress Donohue
- 26 Great grief Global circum-
- ferences: 2 wds. Hit song by The
- Byrds: 3 wds.
- 31 Land of fjords
- 32 Arizona Indians 34 Ross and Rigg
- 35 Panhandle
- 36 Shipboard
- orientation (AMEBA anag.)
- 37 Handle clumsily
- ____ Amboy, N.J
- 42 Opening: Prefix (MOST anag.)
- 43 Ye ____ Shoppe
- 44 Dark blue
- 45 Honolulu singer: 2 wds.
- "It's ___ _ Never' (Presley hit): 2 wds
- 49 France's continent
- 51 Japanese statesman
- 52 Swirling (like crooner Nelson?)
- 54 Chablis, e.g.
- 55 Boston suburb
- 58 Graceful song
- 60 Unusual
- 62 Drink mixer
- 64 Money: Sl. (IRONED anag.) Mythical beauty
- (60 minutes + 1)Ready: 2 wds.
- 69 Foxhole 72 Amsterdam flower

- 73 Mediterranean gulf (A RAT anag.)
- 74 Passes by
- 75 Sour (TO CAUSE anag.)
- Beaten down: Fr. (PIES anag.)
- 78 Secular
- Donut surface (DORITO anag.) Greek chieftain
- 82 Crossed out
- 83 Matty or Felipe, of baseball
- 84 Namesakes of Jason's ship
- 85 Shadowboxes
- 86 Roman twelve 88 Medicinal herb
- (ANNES anag.)
- 90 Mr. Hurok
- 91 Very bitter 92 British youth
- of the '60s 95 Outfield Hal
- (CREAM anag.) 99 Artificial
- coloring 101 Ambulance sound
- 102 Neighbor of Nev.
- 104 Laugh riotously 105 Metric measures:
- Abbr. 108 Winter treads:
- 2 wds.
- 112 Put a book away 113 Twofold
- 114 Congressmen,
- for short 116 Economic
- principle: 2 wds. (SAL'S WAY anag.)
- 117 Sicilian, e.g. __ Dinka Doo' 118 "__
- 119 Live to _
- old age: 2 wds. "____ me God":
- 2 wds. 122 RNs and LPNs
- 123 Gives up 124 Single-celled
- organisms (DAMSON anag.)

- 126 Elbe feeder (RISE anag.)
- 127 Make a cardigan 128 New Rochelle
- college Hand-held
- windmill
- 132 Steel ingredient 134 Twister
- 137 Packers conference: Abbr.
- 140 Off the streets
- 141 Breaking even, in golf: 2 wds.
- 143 Lackey
- 144 German river (RODE anag.)
- 145 Camera part
- 147 Sailor's mop 149 Mister: Sp.
- 151 Average: Abbr.
- 152 Arctic bird (sounds like MYRRH)
- 153 Assn. 154 Crystalline
- powder (OL' MAID anag.)
- **156** Nye or Armstrong
- 158 Escaped: 2 wds.
- 159 Hot water pipe: 2 wds. 162 Coil-like
- stellar system: 2 wds. 166 Bulgarian
- capital (I will get in the couch?)
- 167 Very mysterious **168** African republic
- instant (quickly): 2 wds.
- 170 African grasses (FALA'S anag.) 171 Partisan
- (DRIES anag.) of the House 45 Insecticide:
- 173 Dental degrees: Abbr

- DOWN
- 1 Actress Anna
- 2 Circus performer 3 Ours began in 1775: 2 wds.
- 4 St. Lawrence
- 5 "Peanuts" girl 6 Fighter
- Muhammad
- 7 Big ____, Cal. 8 Very gentle
- treatment: Abbr. 9 Newscaster John
- 10 Devoured: 2 wds.
- 11 Agreeing ones 12 Chubby Checker
- hit: 3 wds. 13 Eskimo knife
- (found in NEBULUS)
- 14 Encircle 15 County Clare's capital
- (NINES anag.)
- 16 Spins on an axis Tuna containers
- 18 Secret Service man: Abbr. 19 DNA molecule:
- 2 wds 20 Dressed like
- Riding Hood: 2 wds.
- 21 Irish dramatist, a contemporary of Yeats
- 25 Expire, as a subscription: 2 wds.
- ___-o'-shanter 30 Strict
- disciplinarian ... maids all in
- ": 2 wds. 37 Pea's place

38 Some

- 39 Swirling water 41 Ace, e.g.: 2 wds.
- 43 Let me in!: 2 wds.
- Abbr. 46 Jackie or Ari

- 48 Cashes in
- "Step ___ 2 wds.
- 52 Mr. Wallach
- 53 Avarice
- 56 Get up 57 Sulked
- 59 Prone to anger (ACID RUN anag.)
- **61** Little ones: Suffix
- 63 Poker payment 65 Football's
- "Papa Bear" 66 Papal cape
- (A ROLE anag.) 67 Then: Fr. (SOLAR anag.)
- 68 Kev ... (Bogart film)
- 70 Ending for "sit" in TV talk
- 71 Attila the _
- 74 Greek letter 76 Red or White
- team 80 ___ moi le déluge"
- 81 Pilfer (MIN anag.)
- 85 Airplane "prop" 2 wds.
- 87 I serve: Ger. 2 wds. (CHIN DIE anag.)
- Yes votes 91 Bomb warnings:
- 2 wds. 92 Powerful
- whirlpool 93 Kukla's friend
- 94 Met performers **96** Like a carousel
- ride: 3 wds. Wide-eyed
- 98 Grasso, et al. 100 After ems **101** Region of Europe
- 102 Ben Hur vehicle 103 Marsh 105 Charley horse,
- e.g. 2 wds.

- 107 Starting a new TV series from an old one: 2 wds.
- Alliance of the Americas: Abbr. 110 Chevenne's
- state: Abbr. 111 African language
- (THIS anag.) 112 Spectacular feat
- 115 Breeds, as salmon
- 117 Pen filler 120 Old English letters (SHED
- anag.) 123 Bill and 125 Earthquake:
- Prefix 128 Mt. _ Charley
- Weaver's home 130 Actress Booth
- 131 Directors 133 One billionth: Prefix (ANNO
- anag.)
- 135 No: Scot. 136 Do math 138 Giant fennel
- plants (SURF ALE anag.)
- 139 Greek islanders 142 Awakes: Sl.
- 144 Succeed at an auction "____ luck, 145
- sucker!" 146 Actor Flynn
- 148 Italian bowling game 150 Shred: 2 wds.
- 152 One of the Three Stooges
- 154 Down with: Fr.
- 155 Burden 157 Trigonometric ratio
- 158 Growl 160 Actress Farrow
- 161 Suffix with Joseph or Paul
- 164 Inquire
- **165** Fib

1	2	3	4		5	6	7	8	9	10	11		12	13	14	15	16	0		17	18	19	20	21
22					23								24					25		26				
27				28									29						30					
31									32			33			34							35		
36					4	37	38	39		40				41		42	4			1	43			
44					45				46	1	47				48	100	49			50				
51	1.		100	52						53	1	54					55		-				56	57
		58	59			7000		60			61		62			63	W		64					-
65	66				180	67	68						69				70	71		72				-
73				1	74		1						75						76		77			
78					79						H	80								81	Ng	82		-
83					84						85								86		87	Val.		
88				89		90	-			91					N.	92	93	94		95		96	97	98
			99		100				101						102				103		104			-
105	106	107		108		109	110	111					(A)	112						T. T.	113		1	-
114			115		116								117								118		-	-
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153				154					155		156				157				158					
159			160							161			162			163		165						
166						167							168								169			-
170	-						171		111				172								173			-
					1																			

Answer Drawer, page 69

Hard Clues (cont'd)

mothering ____ City, San Francisco suburb 10 Enjoyed: Sl. 11 Gnathonic ones

8 Short term for

- 12 Hit song of 1961
- 13 Indian grass 14 Prepare for
- action 15 Texas city
- 16 Circumvolves
- 17 Gives the axe 18 Ten-percenter: Abbr.
- 19 Genetic shape
- 20 "The Lady . 21 Dramatist John
- 25 Equestrian feat
- 28 Burns hero
- 30 Muzzle-loader
- 33 Lined up

- 37 Menace in The **Body Snatchers**
- _Wednesday
- 39 Charybdis 41 Likely trick taker
- 43 Tell all
- 45 Rachel Carson subject
- 46 An Aristotle
- 48 Turns from sin 50 "Don't count
- 52 Biblical judge
- 53 Rapaciousness 56 Insurrect
- 57 Had the blues
- 59 Short-tempered 61 French
- connections 63 Pot sweetener
- 65 NFL pioneer
- 66 Fanon

- 67 Zut ___! (French 96 Perry Como hit exclamation)
- 68 Slow, in music 70 Matthew Perry's rank: Abbr.
- 71 Follower of Atli
- 74 Flight-board initials
- 76 Hose: Var. 80 After, in Arles
- 81 Take-away game
- 85 Boat mover 87 Motto of the
- Prince of Wales 89 Nautical assents
- 91 Sounds heard in London during WWII
- 92 Turbulence 93 Stan's friend
- 94 Prima donnas, literally

- 97 Vigilant
- -98 Greece, to Greeks
- 100 Metaphysical being 101 Wrocław's
- region 102 Vehicle for the
- sun, in myth 103 Chinese coin
- 105 Inhibit, as one's style 106 Dramatist Jones
- 107 Ejecting centrifugally
- 109 W. Hemisphere alliance
- 110 Colo. neighbor 111 Akwapim language

112 Trick

- 115 Engenders
- 117 Cuttlefish fluid 120 Icelandic
- letters 123 Whisper sweet nothings
- 125 Prefix for Richter's "graph" 128 Mt. .
- home of Grandpa Ogg 130 Girl's name
- meaning "valuable friend" **131** Fishing lines
- 133 Dwarf: Prefix 135 No, in Ayr
- 136 Say further 138 Asafetidayielding plants
- 139 Subjects of King Minos

- 142 Separates sleeper from sack
- 144 Offer more than
- 145 "____ Luck." Dom DeLuise show
- 146 First name in
- swashbuckling 148 Pastime in Sicily
- 150 Make confetti
- 152 Athlete-author
- Berg
- 154 King of Argolis 155 Stow cargo
- **157** ____ die
- 158 Act like an angry dog
- 160 Ex-Mrs. Sinatra 161 Chemical suffix
- 163 Estuary
- 164 Petition
- 165 Emulate Munchhausen

500 Rummy ***

A Cards-and-Words Puzzle

by Jules Roth

Can you score 500 or more points in Word Rummy hands from the card spread at right?

How to PLAY



Find as many seven-letter words as you can whose cards form Word Rummy hands. A Word Rummy hand is a sevenletter word whose cards make up one set (three or four cards of a kind, like 777 or KKKK) and one sequence (three or four cards of the same suit in numerical order, like A 2 3/Spades or 9 10 J Q/Clubs). Either the set or the sequence may come first. The letters of a set may be used in any order; the letters of a sequence must be used in the left-to-right order given in the grid. The same card cannot be used twice in one hand. Sets and sequences may be used over and over in different hands to form other words. Proper names and foreign words are not allowed, but plurals are fine.

SCORING



Each card in a Word Rummy hand scores its face value: a six scores 6 points, for example. Aces are low and count 1 point each; Jacks, Queens, and Kings are 10 points each.

EXAMPLE



In the puzzle at right the word BELIEVE forms a Word Rummy hand. The A/Clubs A/Hearts A/Spades are a set with the letters B-E-L; the 2 3 4 5/Spades are a sequence with the letters I-E-V-E. The cards used have values AAA2345, for a total score of 17 points.

RATINGS

48



Knock: 350 points (good game) Gin: 500 points (winning game) Gin-off: 639 points (our best score)

Answers next issue

	1	2	3	4	5		7			-3-6	J		H	
	L	T	E	٧	E		G	H	T	R	Y	L	E	
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C	COLUMN 1 TOTAL							
	Total Score							
			28					

GAMES

by Don Wright

Now that jeans hold a firm seat in the world of fashion, hindsight tells us that *chic* is more than just denim. What's really hip is the bottom line—on the back pocket of your favorite dungarees. Can you guess which label matches each of the derrières pictured here?



- 1. Sasson
- 2. Jordache
- 3. Lee



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EXAMPLE

In the puzzle at right the word BEL forms a Word Rummy hand. The A/C A/Hearts A/Spades are a set with the ters B-E-L; the 2 3 4 5/Spades are a guence with the letters I-E-V-E. The c used have values AAA2345, for a score of 17 points.



RATINGS

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Answers next issue





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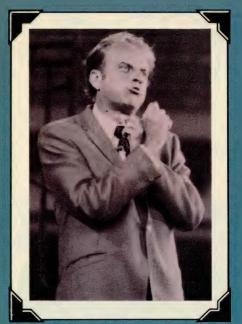


by Don Wright

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Answer Drawer, page 69





I. BIG RALLY HAM

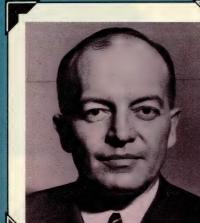


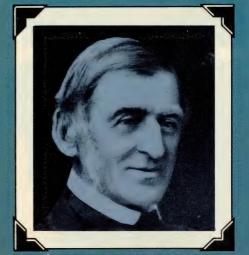
2. SEE, ART'S IN HIM

Who's Who

IF YOU BECOME FAMOUS (EVEN FOR 15 MINUTES, AS ANDY WARHOL SAYS WE ALL WILL), HOW WOULD YOU LIKE TO BE REMEMBERED? MAYBE YOUR NAME HOLDS A CLUE. THE APT PHRASES THAT ACCOMPANY THESE PHOTOGRAPHS AND DRAWINGS ARE ANAGRAMS (REARRANGEMENTS OF LETTERS) OF THE NAMES OF THE PICTURED INDIVIDUALS - SOME OF THEM GREAT AND SOME NOT-SO-GREAT, SOME PAST, SOME PRESENT, AND ONE FICTIONAL.

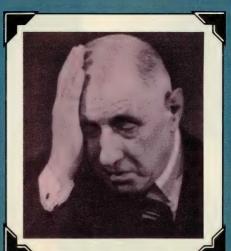
WHILE THE PICTURES REVEAL THE OUTER PERSONAGE, THE VERBAL CARICATURES ATTEMPT



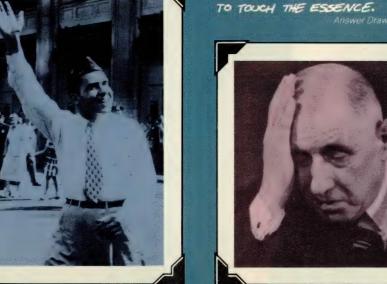


4. HELL DO IN MELLOW VERSE

G. HUSH! NIX CRIMINAL ODOR



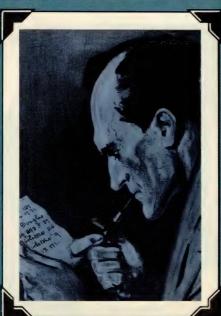
7. DULLES' REGAL ACHE



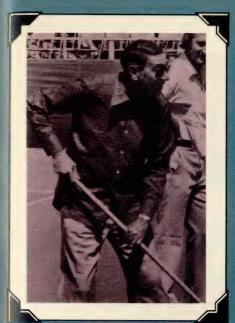


3 LOVED ELEANOR FIRST; KLAN, NO!





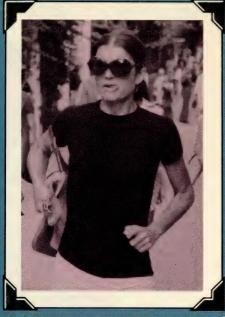
8. HEH! SMELLS CROOK



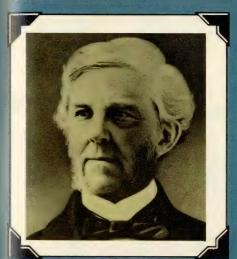
AS CROW HELL DO



10. HA! I'M ALL VICE



11.15 AS QUEENLY ON DECK IN JEANS



12. PERSON WHOM ALL READ



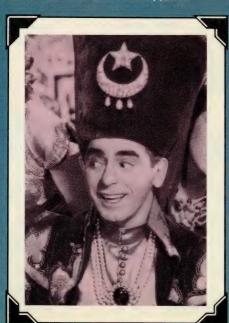
13. HERO TOLD TO OVERSEE



14. HE DID VIEW THE WAR DOINGS



15. REVEAL WHO SLAYED



16 ACTOR, INDEED!



17. I LACE WORDS



The GAMESMEN A Short Story by Frederik Pohl

Once I thought I would be a millionaire, and several times I thought I would wind up famous. But I never thought the President of the United States would send Air Force One to pick me up.

No one would tell me why, either. Not the two fellows in double-knit suits who came to invite me aboard, not the Marine guard who frisked me at the freight terminal at JFK, not even the pretty WAF staff sergeant who checked my seat belt and offered me a stick of gum when we were already taxiing to take off. "Is he aboard?" I asked, peeling away the gum wrapper.

"Oh, you know how that is, Mr. Meckler. We're just not allowed to dis-

"But where am I-"

"Please, Mr. Meckler! I've got to get myself tucked in now; the pilot gets very upset if we're not in takeoff position before he hits the end of the runway. Have a nice flight, hear?"

She turned and unbelted the curtain of my little cubicle, then paused before dropping it. "Unlimited visibility today, Mr. Meckler," she said proudly. "I want you to know that we Air Force people think a lot of you and Mr. Stravetsky.'

"Hev—"

But she dropped the curtain and was gone, leaving me to wonder what Stravetsky had to do with it. I hadn't even seen the man in over a year.

You see, I live by my wits. Sometimes it comes easy, sometimes it comes hard. For a while I wrote advertising copy—as soft a touch as you'd want. But most agencies won't let you do that unless you're willing to be in the office from nine to five, and that's no life for me. I also wrote publicity releases on a freelance basis. That's fine when you work—a hundred and fifty dollars a day, and no one argues about your expense account. But a lot of the time you don't work. At odd times I spot-counted Twenty-One at the casinos in Vegas, until the dealers began to recognize me. I collected unemployment when I could, and

when things were really rough there was always a convention in town. A convention means hospitality suites, and you can live quite a long time on Swedish meatballs and chicken livers wrapped in bacon whenever you can find a name plate. As I say, I live by my wits.

But what I like best to do is invent things. And what I invent most happily are games. So when Jaime Stravetsky

sent for me, I went.

You see, Stravetsky was a mighty man in the game business. At that moment he was not a very successful one; he made fortunes and lost them, and just then he was operating out of a corner of somebody else's office in a mail-drop building on Fifth Avenue. I was late getting to the appointment, traffic awful, no place to park, the New York air heavy with that special quality they politely call "unhealthy." So when I got to the office he was pacing outside the door. He sat me down on a typist's chair, then he perched on the corner of the receptionist's desk and said:

"I want a game from you, Meckler. It should use not more than twelve playing pieces, two decks of cards, three spinners or dice, and a 14 by 14 board. It should give the player the same options and pressures as driving a car. Any car. Mercedes or Stutz Bearcat. RV or VW. Whether he's driving to work or doing the 500 at the Indy. Do you understand what I'm saying? It should have the feel of flat tires and putting down the top of your convertible. Making out in the back seat. And the splendid, monarchical, sense of power and isolation when you're barreling down the freeway all alone at night and not a cop in sight. And it should retail under ten dollars.

'You want me to design a car game for you, Mr. Stravetsky?'

'You're very quick."

I said, "I don't think there's much of a market for a car game, Mr. Stravetsky. Everybody already has the real thing."

"I'll take that chance, Meckler."

"Oh sure, Mr. Stravetsky. But, you know, I kind of have to take that chance with you, if we're talking royalty—

"I didn't say anything about just royalty, Meckler. I'll give you a thousand dollars on signing. Ten thousand when we go into production. Then a royalty.

"Oh. Well. Yes, that part sounds all

right, Mr. Stravetsky-"

"Not 'all right,' Meckler. Goddam

—even fine, sure. But the market—" "Meckler," he said. "I've got the market. I've got the contacts. What I don't have is the game, so get out of here and make it for me, hear?"

The great thing about it was that it worked. I mean, my part worked, and so did his. When you played the game you really felt as though you were in your car. If you "parked" and left "the lights" on for more than one turn, your battery ran down. If you traveled more than 200 miles without filling the tank, your opponents could declare you "out of gas" and you missed three turns while you trudged to a "filling station." You could pick up hitchhikers. If you drew the right hitchhiker card she was a pretty girl, and rich and amiable besides. It was all there, even the unexpected "brake failure" or "bridge slippery when wet," and if you didn't accumulate enough "luck" points you were out of the game because your car was totaled.

And Stravetsky's part worked just as well. His contacts paid off. He sold five thousand dozen games from the demos, before the first set was printed. The Armed Services were the biggest buyer, then the youth-service organizations and the senior citizens' centers. In one month he had sold half a million sets through government agencies alone, five million by summer; it broke through into the civilian market and it was everywhere you went. I got a dime on every set sold. And the President of the United States sent a bubble-topped limousine to bring me to Air Force One.

The seat-belt sign went off and someone began fumbling with my curtain. It wasn't the staff sergeant, which was a pity; it was a plump, youngish man wearing mirrored shades, who said, "Mr. Meckler, my name is Andros. Welcome aboard Air Force One.'

"Hello.

"Yes, Well, I'm sure you're wondering what this is all about."

I said, "You're very quick, Mr. Andros." Hanging around Jamie Stravetsky has given me some bad habits, as well as a lot of money.

"I'm the President's Special Assistant

GAMES dnuof/evah 1980 53 for Special Projects," he explained. I couldn't see his eyes behind the mirrors, so I couldn't tell if he was smiling, although it's hard to imagine how you can introduce yourself like that with a straight face. "The President will see you in just a minute," he went on. "Let's collect Mr. Stravetsky now."

I hadn't known Stravetsky was on the plane, but that did simplify things. The only area in which our lives touched was in games, and the only one we had done together that mattered was the car game. So I no longer had to speculate about being offered the embassy to Saudi Arabia or, well, a firing squad. Stravetsky wasn't in his cubicle, which caused Andros to frown, but we heard his voice. Andros pulled back the curtains from the cubicle across the aisle, and there was Stravetsky, chatting with what appeared at first to be two women.

Andros scowled. "Now, really, Mr. Stravetsky! The President prefers that his guests not meet in this way. I'm astonished at you, too, Ms. Huxbetter."

My first impression had been wrong. There was only one woman in the cubicle, but she had strapped in next to her a Big Betsy doll, the kind made of flowing plastic that grows actual inches while you own it. Stravetsky said, "It isn't Millie's fault, Andros. We were just comparing notes; her doll's done almost as well as our game."

"Comparing notes," said Andros, "is exactly what the President prefers you don't do. He should be ready for us now. Shall we go up front and see?"

"Me too?" asked Millie Huxbetter, reaching for her doll.

"No, you're a different project, Ms. Huxbetter. The President will see you a little later."

The President of the United States shook my hand warmly and said, "Mr. Meckler, I want to thank you for a very considerable service to your country."

I was overwhelmed. "What service was that, Mr. President?"

He had a switch on his smile, and it went to "on" for about three seconds before it switched off and he spoke. "Your game, Mr. Meckler. And yours, Mr. Stravetsky," he added, grasping his other hand. "I've played it myself, and it's a real winner. You know, I sometimes think I can actually smell exhaust fumes when I play!"

"That's right, Mr. President," said Stravetsky, beaming. "Volatile hydrocarbons in the playing pieces, a little friction relases the smell."

Andros chimed in, "And when you open the box for the first time? That fresh plastic and baked-on enamel, is that the same thing?"

I said, "Well, actually, that was my contribution. You can buy that new-car

smell in spray cans; they make it for second-hand dealers."

"Whatever," said the President. "The whole thing works, and I'm very pleased. When Mr. Andros first proposed the idea to me, I was skeptical. But then we made the contract with Mr. Stravetsky, and I began to see that it would go."

"Go where, Mr. President?"

He switched on the smile for another three seconds. "You know," he pondered, "I call that strange. Here's the man—no, sorry, Mr. Stravetsky, here are the two men—who have done a great thing for their country, and they don't even know they did it."

The stuff wouldn't work if we were, uh, wholly candid about it.

"I know Mr. Andros offered to buy a lot of games from me," Stravetsky said.

"But you don't know why." The grin swept over us again. "Tell them, Andros," the President ordered.

"Well, did you ever hear of Monopoly, Mr. Meckler?"

"Of course."

"Do you happen to know when it caught on?"

"Of course ... well, no. Maybe I don't, exactly. Somewhere in the 30s?"

He nodded. "It peaked in the Great Depression. People were playing it all over America. People who didn't have a pot to—excuse me, Mr. President—people who didn't have a dime. They were buying railroads and putting up hotels on Park Place. The country was broke, but while you were playing Monopoly you had more money than Rockefeller."

He looked to the President, who said, "They substituted, Mr. Meckler."

Andros caught the ball again. "Since they didn't have real money, they substituted by playing a game with makebelieve money. That's not the only case. When did war games really boom? In the lull between Korea and Vietnam. Going further back, there was Pit. It was a speculating game, after the crashes around the turn of the century, before the big one in 1929. When you can't play the market, you play the game of playing the market. And the President's genius—"

"Aw," interrupted the President, "it wasn't just me."

"The stroke of genius," Andros insisted, with the heedless determination of someone flattering his boss, regardless of consequences, "was in realizing just how

far you could go. Give them a good enough game and the reality is no longer needed!"

"Or anyway, not as much," grinned the President. "We just had to do something about cars, you know. They wouldn't let us tax the gasoline or ration the drivers, so—I admit it seemed a little crazy, at first. But the figures speak for themselves. Gasoline sales, off 9.3 percent. New cars, down 6.8. We've cut our balance-of-payments deficit to the Arabs just about in half, and the country's air has never been cleaner. As for the birthrate—well I tell you, that doll is really—"

"Uh, Mr. President. That's the next guest."

"Oh. Well, that was a problem too. You see, we weren't having much success getting laws passed to deal with the problems. So we had to try a different tack. I only wish I could reward you gentlemen in a fitting way, but, as you can see, this stuff wouldn't work if we were, uh, wholly candid about it. So I just asked you here to say, from the bottom of my heart, speaking for the great American people—thanks."

I was too busy spending my royalties to think about Stravetsky or the President for the next few months, but then I got a message at my cabana in Acapulco that Stravetsky needed to see me. It wasn't much out of my way. It was time for me to head for Fire Island anyway, so I packed up, booked space at the Plaza for my stopover in New York City, and presented myself at his office the next morning.

It wasn't a mail drop anymore, but it was the same Stravetsky behind the big bleached-oak desk. "Meckler," he said, "the President is in trouble again."

"I don't see why," I said. "Car sales are still down. The birthrate's off 15 percent, so his other little deal is working all right, too."

"Not that kind of trouble," he said. "It's the primaries coming up. The polls show the President's popularity is dropping fast. He's all right with the party regulars, but if there's a big turnout the President could be out of a job."

"I guess that's so, but I don't see what it has to do with us ... unless ..."

I stopped and looked at him.

"That's right. I just got a call from Andros and he wants us to get busy. He said the President would *like* a big turnout—for our new patriotic diversion, that is. What do you say, Meckler? Can you design us a really convincing election game?"

One of today's foremost science fiction writers, Frederik Pohl has won four coveted Hugo awards. His works include Jem and the SF classic, The Space Merchants.





Grab your stun pistols!

The crew of the Znutar have just landed at your favorite game store!



THE AWFUL GREEN THINGS FROM OUTER SPACE ...

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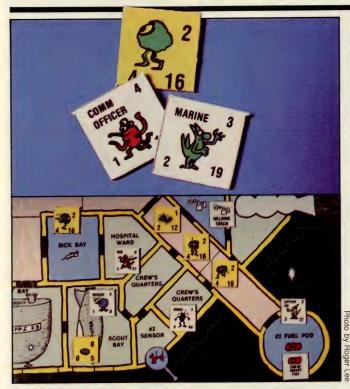
Catch them before they get away!



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GAMES& BOOKS

Edited by Phil Wiswell



Awful Green Things: a preposterous space battle.

The Awful Green Things From Outer Space from TSR Hobbies, Inc., around \$10.

The crew of the exploration ship Znutar had no idea that the small green rock brought back to their spaceship was really an "awful green thing" that soon would grow, multiply, and begin to devour crew members at an alarming rate. . . .

Even as this game begins, it may already be too late for the crew (directed by one player) as they scurry about the ship looking for weapons that will work against the awful green things (directed by a second player), which spread every turn. The effect of any weapon—ranging from stun pistols, rocket fuel, and pool sticks to fire extinguishers and cannisters of an unpleasant foodstuff known as "zgwortz"—is unknown until the first time it is used in the game. Since some of the weapons may fragment a single creature into many, it is important to test untried weapons on individual green things rather than on groups. By a clever but simple mechanism, the effects of the weapons vary unpredictably from game to game.

Green Things is great fun, but it has one drawback: unless reasonably lucky in finding effective weapons quickly, the crew doesn't have much of a chance against a competent monster player. Even so, losing a game to awful green things invariably makes a player want to try again. The rules are clear and the combat system is fairly simple as SF wargames go, but playing time can be considerably longer than the 30 to 60 minutes indicated on the box.

-R.W.S

BOOKS FOR THE COMPLEAT STRATEGIST

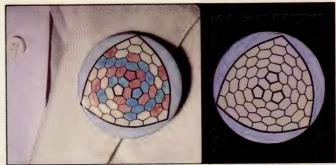
Strategy game enthusiasts should not miss any of these books, each of which provides outstanding coverage of a hard-to-find-out-about game.

How To Play Shogi by John Fairbairn (available from the Shogi Association, P.O. Box 77, Bromley, Kent, United Kingdom; 24 pages, large format, £1.50 softcover plus 75p surface postage). This is the first book in English to give correct and complete rules for shogi, the more intricate cousin of Western chess that is extremely popular in Japan. Included are sections on opening theory, problem solving, the handicap system, and the history and etiquette of play. One thoroughly annotated and several unannotated professional games make the book appealing to more than just beginners.

Tournament Checkers by Vladimir Kaplan (Taplinger, 1980, 222 pages, \$12.95 hardcover). *Tournament Checkers* is devoted exclusively to pool checkers (see January/February 1979 *Games*), which, though it uses the same equipment, is more complex than the game most Americans know as checkers. A many-time world champion, grandmaster Kaplan gives a thorough discussion of strategy and tactics, using many of his best tournament games to illustrate important principles.

Mudcrack Y and Poly Y by Craige Schensted and Charles Titus (available from The Neo Press, Box 32, Peaks Island, ME 04108; 188 pages, \$2.50 softcover plus 50¢ for postage and handling). The two connection games described in this book were invented by the authors. Both games are superb, combining very simple rules with great depth of strategy. Most of the book consists of blank grids of varying sizes and shapes for playing the games, while the remainder examines strategy and gives rules for some interesting variants. Also available from the Neo Press are the "Y" badges shown, which act as erasable gameboards. Co-author Schensted has invited any Y players to visit him and play Y on his island off the coast of Maine. But you'll have to buy the book to find out how to get there.

-R.W.S.



Mudcrack Y: Players take turns coloring in one space anywhere on the board, and the winner is the player who succeeds in connecting the three edges of the board with a continuous line of his color. On the badge above, blue is about to connect the edges and win the game.

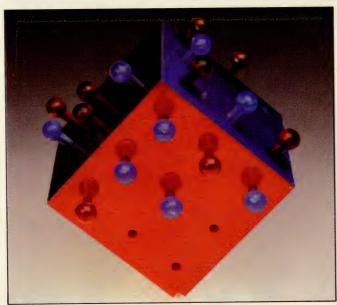
700 GAMES TO PLAY WITH CARDS

After discovering the delights of card play relatively late in life, David Parlett has pursued the subject with unmatched passion. Mr. Parlett, an accomplished game author, foregoes neither historical insight nor humor in his two new books.

The Penguin Book of Card Games by David Parlett (Penguin, 1980, 480 pages, \$3.95 paperback). This is not the largest collection available, but with some 300 games every major category is well covered. Also included are some original games by the author, such as "Ninety-Nine," a unique bidding game for three players. A clear system of symbols makes it easy to locate different kinds of games.

Solitaire: Aces Up and 399 Other Card Games by David Parlett (Pantheon, 1980, 368 pages, \$15 hardcover, \$5.95 paperback). In Solitaire, Parlett divides the games into meaningful families (such as Builders, Blockades, and Packers) and this is a first. Previous books have categorized these games only according to the number of decks used. An introduction to each family covers the general principles of play, and the games follow progressively from simple to complex. As a guide to the frustration level, each game is rated with the chance of a successful conclusion. A very nice touch.

-S.S.



Tacticube: a board game in the third dimension.

Tacticube from Great Games, Inc., around \$10.

Resembling a piece of modern sculpture, Tacticube is a threedimensional board for playing checker-like games of jumping and capture. When in play, the cube is lifted off its stand and passed (or tossed) around the room between players, allowing each to view the position from all sides.

Rules for five games are given, all based to some degree on existing two-dimensional games, and the translation to three dimensions varies considerably in effectiveness. In my opinion, Go-Mo-Cube works best. The object is the same as in the oriental game Go Moku—getting five pegs in a row—and much of the strategy is similar. But Tacticube allows a line of pegs to wrap around the edges of the cube, making it more of a challenge for experienced players.

With some rule modifications, the other games become playable and fun. But the cube itself is such an interesting playing board that you should find it fairly easy to come up with your own game variations.

—S.S.



Super-Sonic Electronic Master Mind: the logical choice.

Super-Sonic Electronic Master Mind from Invicta, around \$50

Master Mind players and others logically inclined will delight in this new beeping version of the world's favorite codebreaking game. A random number of three to six digits is entered secretly either by the machine or manually by one player, and the human codebreaker begins guessing at the number. After each guess, the machine responds with how many digits are correct and how many are in the correct position. In addition to keeping track of the number of guesses, timing each game, and giving either a good or bad sound effect at the end of each round, this electronic game has the advantage of allowing solitaire play.

If you like absorbing games of logic, you'll enjoy trying to break the machine's Master Level six-digit codes: each is one in a million!

---P.M.W.

Sudden Death from Gabriel, around \$18.

In this colorful, aptly named game of strategy, death comes suddenly indeed to those who panic easily under pressure. A six-second timing device controls the quick pace as two to four players try to "draw" continuous lines of their colors. In turn, each player places one of three pieces of different lengths against the open end of his line. Fortunately, you are allowed to place a piece so that it "jumps" over a line in your way. Unfortunately, you will eventually get boxed in and have nowhere left to play. Since the object is to be the last player able to continue your line, you've really got to think ahead and cut off your opponents before you cut off yourself.

---P.M.W

Sudden Death: a frantic race to keep your line alive.



FANORONA

O Traditional Game of Madagascar O

Invented around 1680, this sophisticated game is said to have played a part in the rituals of the island which is today the Democratic Republic of Madagascar. According to H.J.R. Murray's *History of Board Games Other Than Chess*, when the French stormed the capital in 1895, the native queen and people allowed their military tactics to be determined from the outcome of a ritual game being played by local professionals. It is unclear whether the strategy failed: the French conquered the island and sent the queen into exile, but ultimately had to relinquish control some 65 years later.

Equipment Two contrasting sets of 22 markers each (22 pennies and 22 dimes can be used), and the board shown.

Object To capture all the opponent's pieces.

Play To begin, pieces are placed on the board as shown, with only the center point vacant. Each player in turn moves one of his pieces one point along any marked line. Pieces may not move onto or jump over occupied points.

Capturing Capture is by approach or withdrawal:

(i) When a piece ends its move next to an enemy piece or unbroken line of enemy pieces that lie along the line of movement, the enemy piece or unbroken line of pieces is captured by approach;

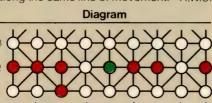
(ii) When a piece moves off a point that is next to an enemy piece or unbroken line of pieces *lying along the line of movement*, the enemy piece or unbroken

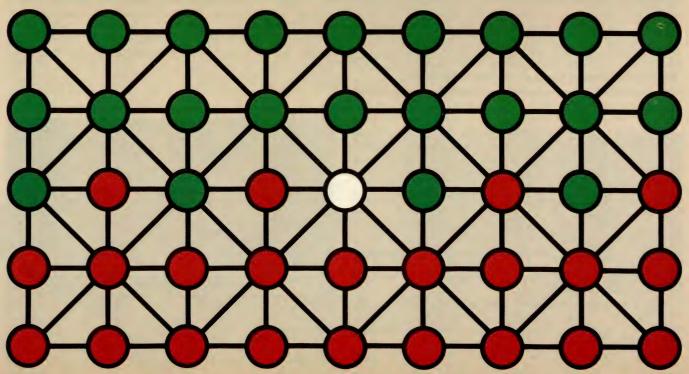
line of pieces is captured by withdrawal. Captured pieces are immediately removed from play.

If a player can make a capture, he *must* do so (though he can choose which capture to make if there is more than one). If a piece that makes a capture ends up in a position to make a further capture, then it must continue to move and make captures, all as part of the same turn, until no further captures are possible. However, a piece may not make two successive captures in a turn along the same line of movement; and if a move makes possible both a capture by approach and a capture by withdrawal, only one capture can be made.

Restriction on the first turn On each player's first turn, a piece may move only once even if more captures are possible. **Examples of capture** In the diagram at right, if the green piece moves from e2 to

d2, it will capture either three pieces (a2, b2, c2) by approach or two pieces (f2, g2) by withdrawal, but not both. The choice is up to the green player. (Note that the piece at i2 is safe because of the gap at h2, and the piece at c1 is safe because it is not situated along the line of movement.) After moving to d2, the green piece will continue to e3 as part of the same turn, capturing c1 by withdrawal. The green piece may not go from d2 back to e2 instead, since that would be a second capture in a row in the same turn along the same line of movement.—R.W.S.





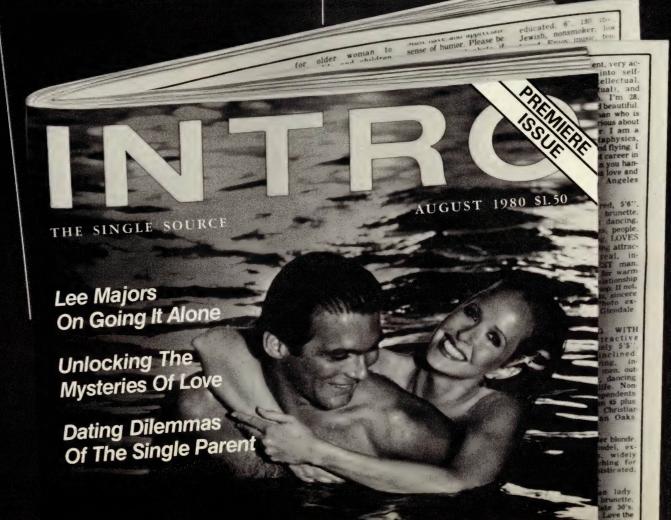
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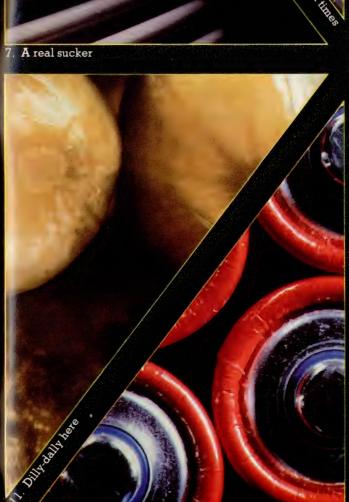
2. After cheese



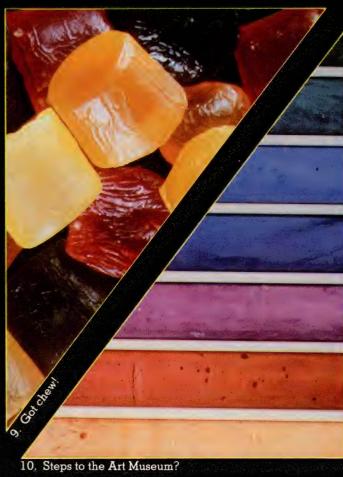
4. Coffee circle

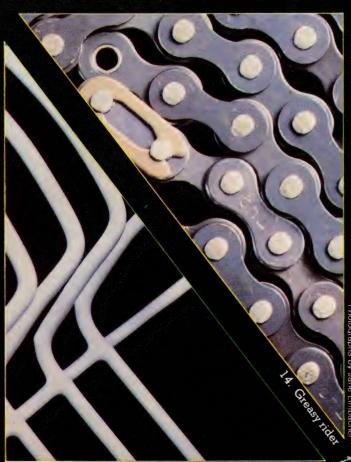




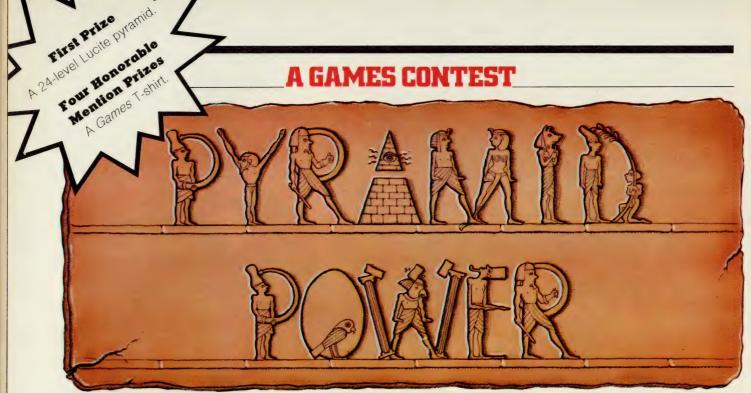


12. Charge!





13. Needs glasses



Fill in the pyramid below to spell as many 5-letter words as possible, reading from top to bottom.

Man's ancient fascination with pyramids is apparent all over the world, from the Great Pyramid at Giza to the Temple of the Sun at Teotihuacán. But why is the shape so intriguing? Historians, students of the occult, and scientists offer a variety of answers; but to us, pyramids are interesting because they naturally inspire contests.

Rules Place a letter of the alphabet in each of the 15 blocks that form the pyramid. You may not use the same letter more than once in any horizontal row of blocks; but you may use the same letter in different rows. When you have filled in every block, make a list of all the 5-letter words that can be spelled out by starting at the top of the pyramid and moving progressively through one block in every row to any block in the bottom row without jumping over any blocks. (The maximum possible number of words you can form in this way is 16.)

Example:

B
R
L
A O E
T O I A
S D M N T

The acceptable words in the sample pyramid at lower left are: BRATS, BROOD, BROOM, BLOOD, BLOOM, and BLEAT. The word BRAIN would not be allowed, since to spell it requires jumping over a block to get from A to I.

Acceptable words All words formed from the pyramid must appear in Webster's Third New International Dictionary (Unabridged) as single, unabbreviated, nonhyphenated, noncapitalized words, and they must either be listed in the main body of that dictionary—whether as main entries, inflected forms such as plurals or verb tenses, or derivative words listed in boldface under main entries—or be clearly implied from the rules of Section 4 of the Explanatory Notes. Words appearing only in the Addenda, which varies from one printing to another, are not acceptable.

Winning The entry with the pyramid forming the greatest number of acceptable words will be the winner. Ties will be resolved in favor of the entry that uses the greatest number of different letters of the alphabet throughout the pyramid. Remaining ties, if any, will be broken by random drawing.

Entering To enter, complete the entry blank or a facsimile, filling in the pyramid and listing all the 5-letter words formed from it. IMPORTANT: On the back of your envelope, you must write both the number of words formed and the number of different letters of the alphabet used in your pyramid. In our example, which formed six words and used 12 different letters, "6/12" would be written on the

back of the envelope. You may enter as often as you wish, but each entry must be mailed separately. Entries must be received no later than October 1, 1980.

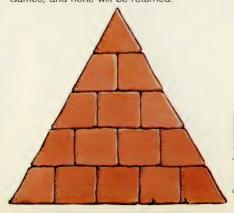
Clip or copy this coupon and mail to: Pyramid Power Contest, Games Magazine, 515 Madison Avenue, NY, NY 10022.

E lotter words

5-letter w	Jius		
Number o	f different le	tters used:	

Street Address ______ State ____ Zip ____

Entries must be received by October 1, 1980. All entries become the property of *Games*, and none will be returned.



Illustrations by Tim Ragli

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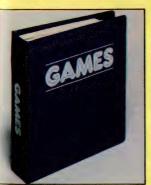


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Word Alchemy

Word Alchemy the science of writing a sentence in which adjacent words are combined to form a longer word used later in the sentence. No easy task, certainly, but many of our readers seem to have latched on to magical formulas. In fact, there were so many outstanding sentences among the 2,200 entries that we decided to award more prizes than prom-

The Grand Prize entry, with key words underlined, comes from Myrna M. Nic of Muskegon, MI:

> If Elsie packs her half-and-half in undated cartons, will Elmer be inundated with sour cream?

Ms. Nic will receive a Webster's Third New International Dictionary (Unabridged) and The Oxford Etymological Dictionary. Honorable mention prizes of a Games T-shirt will be awarded to the following entries:

- · After I gave a snarling lobo to my wife, she suggested I have a frontal lobotomy. (submitted by Len Elliott, Auburn, WA)
- · "No danger exists from foren[sic] powers," wrote the forensic judge. (John Duschatko, Kingwood, TX)
- · Miss Piggy demanded a new mode sty with a private dressing room, to protect her modesty. (Masami Hoshizaki, Chicago, IL)
- The teacher will give me a sure "D" on the test after I measured everything wrong," complained the student. (Steve Marsh, Turlock, CA)

is to behead the opposition. (Bettye Petersen, Hoffman Estates, IL)

- · We watched the ant agonize over its failure to antagonize the picnickers. (Robert Noveshen, Los Angeles, CA)
- War bled me of the fervor with which I warbled those patriotic tunes. (Marilyn Mahan, La Canada, CA)
- "Well." huffed the interior designer, "either you use my Art Deco rat or just get yourself another decorator." (Renee Melanie Waltz, Rochester, NY)

We leave it to you to solve the remaining Honorable Mention winners. We've omitted the key words, and have indicated the number of letters in each component with dashes.

Identify the Missing "Elements"★☆

- 1. The last thing you expect to see at ___ is for the corpse to ____ (Holly Fitzgerald, Somerville, MA)
- 2. A careful examination of the _ . __ to the surprising discovery of two baby eaglets _ _ _ _ among the twigs. (William Ackley, Rio Grande, NJ)
- 3. His feet were frozen, hands _ _ _ _ _ ____ cold, but still the ____ stood knee-deep in the snow. (Shirley Fogelman, Teague, TX)
- 4. In a burning _ _ _ _ firefighters work tirelessly to ____ further damage. (Carol Nauroth, Bloomsburg, PA)
- The way to be head of some countries 5. Can you _ _ _ _ rather

than written tests in an ____ college? (Selma Lieberman, Southbury, CT)

- 6. In a French restaurant you can see ____ on sole _____ (Scott Orman, Oak Park, IL)
- 7. Each year at the ____ _ a medley of songs, but this year, by popular demand, I am _ _ _ _ _ _ to remain silent. (Edward Dermon, Roslyn Heights, NY)
- 8. All wrapped _ _ _ _ blubber with the tribe of Eskimos, so as not to _____ them. (Mary Ritenburg, Fredonia, NY)
- 9. "I will say '__ __' ____," said the procrastinating _ _ _ _ _ _ . to his bride at the altar. (Ruth Batt, Maitland, FL)
- 10. The average-sized insect, _ _ _ _ _ _ _ or housefly, is apt to appear as a _ _ _ _ through the eyes of the tiny mite. (John Wiles, Philadelphia, PA)
- 11. Speaking as a lawyer, have you ever found the small print _ _ ____ to rob one of his _____ rights? (Joan
- 12. How could anyone as shapely as Cinderella _ _ _ _ eligible suitor on the strength of her ____ measurement? (Jerry Stephens, Waldorf, MD)

Foust, Bolivar, PA)

Answer Drawer, page 69

Misconstrewn Words

The object in this 3-in-1 contest was to construct a grid of letters that could be used to spell out a given quotation by moving from letter to adjacent letter in any direction in the grid; letters could be reused any number of times but "standing" on a letter to use it twice in a row was prohibited. In each contest, the winning grid was the one fitting into the smallest rectangle, with ties being broken in favor of grids using the fewest letters. In the first contest only, which drew over 2,100 entries as compared with a total of 1,800 entries for the other two contests, it was also necessary to use a random drawing to determine a single

Because these contests were so difficult to solve by any means other than trial and error, they were perhaps our most difficult skill contests ever. It seems all the more remarkable, therefore, that Robert Yarrick, the winner of Misconstrewn Words III, was one of the three people who successfully guessed the number of "Bein's in the Jar" in our March/April contest. Evidently, the Force is with him!

Each of the three winners will receive a Bally Home Video Game System. The 12 runners-up will receive *Games* T- hirts.

I. Work is the refuge of people who have nothing better to do.

Winner: David J. Wolfberg, Concord, MA.

Solution: Grid size $4 \times 7 = 28$; 25 letters. (The circled letter is the starting point.)

BDTHWL GEOTEOP VNHSREF AIKGU

Runners-up: James D. Cooper, Lexington, KY; Jeffrey Kissel, Yonkers, NY; David M. Shevenock, Harrisburg, PA; James C. Watson, Cleveland, OH.

II. Beware the Jabberwock, my son!

The jaws that bite, the claws that
catch!

Beware the Jubjub bird, and shun
The frumious Bandersnatch!
Winner: Gary G. Gilbert, Oxford, OH.
Solution: Grid size 6×7=42; 40 letters.

U A B I R E J B T C D S A R E H A N D L W E T B S H O C S F N U O K M Y O R M I Runners-up: William B. Friday, Pensacola, FL; Dan Lawler, Winnetka, IL; Terry Lurtz, Plymouth, MI; Nancy L. Wolfberg, Concord, MA.

III. We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Winner: Robert Yarrick, East Hebron, NH

Solution: Grid size $7 \times 16 = 112$; 111 letters.

PCLBATSEPRMENELF EAITUJACDOGRCWRA MRFSHRONQTEUVESE TONETIEFIUHBLISA RSIUCSNDVAIREGND DETHEOEORDLTSOUO WAFOPLMMOPYFORP

Runners-up: Thomas R. Alfes, Warren, MI; Danny Carroll, Tucson, AZ; Martin B. Ellison, Cupertino, CA; Nancy L. Wolfberg, Concord, MA. —R.W.S.

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answer RAW











Page 6 Letters

Jeté A captured black pawn is missing from the

1 Letters

What Are the Odds? Ms. Bonaccorsi's "Odd Couples" are: Oil and Bo Derek, Telephone and Shirley Booth, Banana and Norman Vincent Peale, and Mental and Chip Block

(B) You're the Shooter

Double Out

(a) Single 3, double 16. The beauty here is that the 3 is flanked by the 19 and the 17. Should you inadvertently hit the 19, you leave yourself 16 and can go out with a double 8. Hitting the 17 leaves you with 18 and a double-9 out shot. Should you happen to hit the triple 3, you have a double-13 out shot.

(b) Single 11, double 16. This is preferable to single 3, double 20 since 32 can be halved five times while 40 can be halved only three times. However, a less confident player might shoot for the single 3; as it is flanked by the 19 and 17, and hitting either of them still leaves an out shot. On the other hand, the 11 is flanked by the 8 and the 14; hitting either of them would leave 35 or 29 and thus require using a second dart to even up before arriving at an out shot.

(c) Triple 17, double 12. If you single the 17, leaving 58, a relatively easy single 18 gets you to 40, giving you a double-20 out shot with your third dart.

(d) Most people shoot for triple 16 and double 16. However, if you single the first 16, you need a triple with your second dart to arrive at an out shot. Southern California's Ron Conners, generally acknowledged as a master of darts numbers strategy, prefers the prosaic triple 20, double 10 because if you single the 20 with your first dart, you need only another single 20 to arrive at an out shot-namely, double 20. (e) Triple 20 and then, say, triple 10 and double 16 is

definitely wrong because if you single the 20, there is no two-dart out from 102. The correct play is triple 18, triple 12, double 16. If you single the 18, leaving 104, you can still go out in two darts with a triple 18 and double bull-difficult but possible.

You need six darts to shoot a perfect game of 301: double 16, triple 20, triple 20, triple 20, triple 19, and double 16. If you ever manage to shoot a six-dart game of 301 in your local pub, you'll become a legend in your own time.

@ Call Our Bluff

The phonies are numbers 2, 5, and 7.

Table for Two

"Bon soir. A table for two? Yes, monsieur, right this way. May I suggest the delicious Chateaubriand with truffles, or perhaps fresh salmon quenelles? Yes, very good. And to drink? You fancy the Châteauneufdu-Pape '89? But of course, monsieur. And here is your table. Bon appétit!

'Table for Two'' is one of 25 reading mazes from the book *Literally Amazing Puzzles* by Robert Fenster, available for \$2.50 + .50 postage and handling from Half Court Press, P.O. Box 816, Palo Alto, CA 94302.

PZZZZ

Background

7 odiac Dr. Zarkov (with Flash Gordon) Led Zeppelin T-shirt

Zero Mostel

Zipper

Zero plane

The number zero (on the airplane)

Zoom lens

Frank Zappa Zorba the Greek

Zucchini

Zuñi Indian

Jim Zorn

7 in code

Middle Ground

Zorro

'Zip-A-Dee Doo-Dah'' (from Song of the South)

Zollner illusion

Robert Zimmerman (aka Bob Dylan)

Zombie (from The Dawn of the Dead)

Zaire Zambia

7 imbabwe (and a lot of lesser places also beginning with Z

that we didn't count)

Zap Comix character Mr. Natural

Zbigniew Brzezinski

Zoot suit

Zest soap

Foreground

Zsa Zsa Gabor Zircon ring Zippo lighter

Zeppo Marx (second from left)

Zener cards

Zenith radio

Zinnias

Zen Buddhist monks

Dr. Zhivago 'Zott''

Zebra.

Lincoln Zephyr V-12

Man from Zig-Zag cigarette paper package

3-D Word Hunt

Our list of 32 common words is: acrid, cache, chore, circa, cited, cream, crepe, crone, demon, dicer, direr, edict, emote, erect, honor, macho, medic, meted, moron, motor, noted, peach, perch, porch, reach, ricer, roper, rotor, tided, torch, toted, and totem.

Among the less common words we found were: campo (a level, grassy plain in South America), ceric (containing the rare-earth element cerium), crore (ten million in India), dicta (judicial assertions), hoper (one who hopes), irone (colorless liquid of isomeric, unsaturated ketones), macro (large), motet (choral musical composition), nomen (name), porer (one who pores), reata (a lasso), recta (terminal parts of intestines), tache (blemish), tirer (one who tires), and toric (shaped like a torus). Who says puzzles aren't educational?

Could You Get Into College Today?

Section I	Section II
1. B	21. B
2. E	22. C
3. A	23. D
4. E	24. C
5. C	25. B
6. D	26. D
7. E	27. C
8. B	28. C
9. D	29. E
10. D	30. A
11. B	31. D
12. E	32. C
13. B	33. B
14. D	34. E
15: A	35. E (we think)
16. C	
17. D	
18. E	
19. E (or maybe A, if you live	
north of Mason-Dixon	
and get beat up a lot)	

Scoring Guide

To obtain your verbal score on the Games Aptitude Test, count the number of correct answers you had in Section I (questions 1-20), subtract one quarter of a point for each incorrect answer, and multiply the result by 30. Then add 200, and round to the nearest 10. To obtain your math score, count the number of correct answers you had in Section II (questions 21-35), subtract one quarter of a point for each incorrect answer, and multiply the result by 40. Add 200, and round to the nearest 10.

Where does that leave you? Well, the average SAT-taker scores about 450 on each part, and gets into college.

(1) Eyeball Benders

1. Yo-Yo

20 C

- Flashcube
- Beach ball
- Powdered donut
- Bicycle pedal
- Bicycle handle grips
- Vacuum cleaner hose
- Sandglass
- Jujubes 10.
- Colored chalk Pickles in a jar
- 12. Batteries
- 13. Dish drain
- 14. Bicycle chain

Say What?

Here are our answers. Did you think of any better

1.	Chimed in	9.	Speculate
2.	Muttered	10.	Stated
3.	Blubbered	11.	Derided
4.	Expounded	12.	Beefed
5.	Piped up	13.	Mouthed
6.	Addressed	14.	Figured
7.	Claimed	15.	Spoke
8.	Stormed (or thundered	16.	Rehashed
	or predicted)		

GAMES

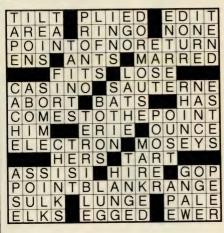




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D Score: 3-0



Patently Absurd

Below are extracts from the patent grants. The answers to the cryptograms are in boldface.

- 1. AIR-COOLED ROCKING CHAIR. Patent No. 92,379 (July 6, 1869). This invention relates to improvements in the construction of rocking chairs, with air-blowing attachments. The occupant may, by the act of rocking, impel a current of air upon himself, through a flexible tube, E, which may be directed to any part, as required.
- 2. TACTILE ALARM CLOCK. Patent No. 256,265 (April 11, 1882). Ordinary bell or rattle alarms are not at all times effective for their intended purpose, as a person in time becomes so accustomed to the noise that sleep is not disturbed when the alarm is sounded. In carrying out my invention I suspend a light frame in such a position that it will hang directly over the head of the sleeper; the suspending cord being activated by automatic releasing devices, the frame is at the proper time permitted to fall into the sleeper's face.
- 3. ELECTRIC EXTRACTOR OF POISONS. Patent No. 606,887 (July 5, 1898). The application of the different receivers is made to the negative electrode, and the positive electrode is applied to any suitable part of the body. When the current is turned on, it will run down from the neck or other suitable place through the patient's body and will pull or draw out the poison at the negative pole and deposit it on the copper plate. Six to eight treatments, of a half an hour each in duration, will generally extract all of the poison of whatever kind it may be, and the copper plate will show as bright and clear as it was at first.
- 4. PARACHUTE FIRE-ESCAPE. Patent No. 221,855 (November 18, 1879). This invention relates to an improved fire-escape or safety device; a person may safely jump out of the window of a burning building from any height, and land, without injury and without the least damage, on the ground, with this parachute attached, in suitable manner, to his upper body, in combination with overshoes having elastic bottom pads of suitable thickness to take up the concussion with the ground.

(1) Counterintelligence

The answers, in order, begin with the numbers 1 to

- 1. One for the road
- Two bits
 - Three Stooges
- Four-leaf clover
- Five o'clock shadow
- Six-shooter
- Seven dwarfs
- 8. Eight ball
- 9. Nine lives
- 10. Ten Commandments
- 11. Eleventh hour
- 12. "Twelve Days of Christmas"
- 13. Thirteen colonies
- 14. 14-carat gold

Classical Illusions



Missing Parts

- Toilet: No flush handle
- Venetian blinds: No pull cords
- 3. Telephone: No metal dial-stop
- Toaster: No arm to raise and lower toast
- Salt shaker: No holes
- Time magazine cover: No border
- Scissors: No screw at junction of blades
- 8. Seven of diamonds: Missing seventh pip
- Gun: No trigger
- 10. Autograph book: No "o" in "Autographs"
- Watch: No winding stem
- 12. Record: No hole for phonograph spindle
- Letter: No zip code
- Tractor: No steering wheel
- 15. Hourglass: No falling sand
- Tricycle: No pedals

1 Gee Whiz

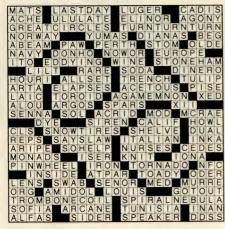


Word Alchemy

Key words, with breaks marked.

- 1. a/wake
- nest/led
- 3. numb/skull
- 4. forest/all
- 5. elect/oral
- 6. a/man/dine
- 7. prom/i/sing
- 8. in/fur/i/ate
- 10. be/he/moth
- 11. in/a/lien/able
- 12. net/her/most

World's Most Ornery Crossword



Hip Hip Hooray

- C, Sasson
- F, Jordache
- D, Lee
- 4. B, Studio 54
- 5. E, Gloria Vanderbilt 6. G, Levi Strauss
- 7. A, Calvin Klein

Cover Hint

As you probably guessed, the conversation in the cover cartoon is a cryptogram. Each letter of the alphabet has been replaced by another. Thus, for example, every time the letter X appears in the cryptogram, it represents the letter S. Letter substitutions remain the same for both speakers. If you can guess the first word in the customer's question to the waiter, you're well on your way to solving the puzzle.

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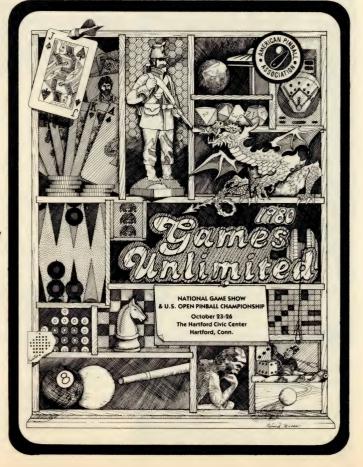
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Part 1: Follow-Line

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2.	Cake	6.	Hole
3.	Talk	7.	Jack
4.	Trap	8.	Break

Part 2: Inside Track

1.	Anarchy	7.	Courthouse
2.	Chinchilla	8.	Patient
3.	Trespass	9.	Nethermost
4.	Wildebeest	10.	Cologne
5.	Mislead	11.	Impoverish
6.	Rudiment	12.	Conceited

Doubles	
in 6.	Cole Porter
de 7.	Gene Tunne
s 8.	Victor Hugo
ie 9.	Walt Disney
y 10.	Ed Sullivan
	in 6. de 7. s 8. ie 9.

Part 4: Fore and Aft	
1. Bought	6. Butter `
2. Hearth	Sparse
3. Gravel	Averse
4. Please	Stripe
5. Astern	

Part 5: Punctuation Needed

'I will find a turtle," she'll insist, "in the stream."

Part 6: Interjections

1.	"Baloney!"	6. "Gosh!"
2.	"Darn!"	7. ''Damn!''
3.	"Dog-gone!"	8. "Oops!"
4.	"Rats!"	9. "Oh!"
5.	"Shucks!"	10. "Holy cow

Part 7: Can You Crack This?

How Well Did You Score? Ratings:

100 points:	Positively perfect
85-99 points:	Preeminently perspicacious
70-84 points:	Particularly perceptive
55-69 points:	Pretty percipient
40-54 points:	Par
25-39 points:	Perhaps passable
0-24 points:	Perplexed

(3) Cryptarithms

1.	69755 +972053	3. 1431941 +582489
	1041808	2014430
2.	4691423 +916495 5607918	4. 20946 148646 +454614
	3007310	624206

Quaint English Towns

- Never-on-Sunday
- Angels We Have Heard-on-High
- Set the World-on-Fire
- Georgia-on-My Mind
- Skating-on-Thin Ice
- Get Me to the Church-on-Time Right-on-Time
- Pick-on-Someone Your Own Size
- Don't Tread-on-Me
- Play-on-Words
- Cash-on-Hand
- Cash-on-Delivery
- Living-on-Borrowed Time Living-on-Easy Street Bent-on-Destruction
- All Hands-on-Deck
- Shine-on-Harvest Moon
- No Parking-on-This Side of Street



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GAMES

(B) Cryptic Warm-Up Puzzle

ACROSS

- 1 Maybe. Charade clue. MAYBE ("perhaps") is MAY ("when April's over") plus BE ("live").
 4 Sinai. *Reversal* clue. SINAI ("the Mount of the Ten
- Commandments") is IAN IS reversed. The reversal is indicated by the words "going back."

 5 Reset. Anagram clue. The word TREES ana-
- grammed makes RESET ("readjust"). The word 'rubber" suggests that the letters of TREES can be twisted to form the answer.

DOWN

- 1 Miser. Curtailment clue. MISER ("penny-pincher") is the word MISERY ("suffering") without the final letter. The curtailment is hinted at by the word 'endless.
- 2 Yanks. Second definition clue. The answer, YANKS, means both "Americans" and "big ierks."
- 3 Edict. Concealed word clue. EDICT ("order") is concealed in the phrase "thE DICTionary." concealment is indicated by the word "in.

(1) Cryptic Crossword ACROSS

- 1 Abed (bead)
- 4 Alsace (Al's + ace)
- 9 Holding the fort (for the old thing)
- 11 Message (mess + age)
- 12 Debased (bad seed)
- 13 Shied (shed + I)
- 14 Substance (sub + stance)
- 16 Mail order (male order)
- 18 Ether (sweET HERbs)
- 20 Slander (islander i)
- 22 Isthmus (is + the e + sum)
- 23 Sign of the times (two possible meanings)
- 24 Angler (two meanings)
- 25 Ryes (rise)

DOWN

- 2 Brigand (band + rig)
- 3 Digressed (dressed + GI)
- 4 Aphid (A.P. + hid)
- 5 Safe bet (beast + fe)
- 6 Chrysanthemums (Chris + Ann + the mums)
- 7 Shames (sash + me)
- 8 Classification (class + action, with A.C. reversed, + if 1)
- 10 Edge (strippED GEars)
- 15 Burnisher (burn + is + her)
- 16 Mast (ma + St.)
- 17 Ordinal (oral + din)
- 18 Entitle (bENT IT LEngthwise)
- 19 Resist (sister)
- 21 Refer (freer)

(1) Double Cross

- LACERATE
- В **EVERYTHING**
- BOTHERSOME
- OUTJOCKEYED
- WORTHINESS
- INTERWORK
- TRAITOR
- ZERO GRAVITY MISSION
- **ESTHESIS**
- TWINER
- RESTORATION
- M. OVERWHELM N
- **POWERHOUSE**
- OPEN-AND-SHUT 0
- LECHEROUS Q. **IMMIGRATION**
- TENNESSEE
- **AFFECTIONATE**
- NEW YORK CITY
- 11 LIKE-MINDED
- **IMMEMORIAL**
- W FAR-OFF
- X. ECUMENICISM

I was in Rome for two weeks, during which time there were five major strikes. Going on strike in Romè is much more a matter of style than it is of economics. Rome is a very loony city in every respect. One needs but spend an hour or two there to realize that Fellini makes documentaries.—(Fran) Lebowitz, Metropolitan Life

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Photagrams

- Billy Graham (anagram by Marjorie Friedman in The Eniama)
- Henri Matisse (by Alastair Chambre in the New Statesman)
- Franklin Delano Roosevelt (by Mrs. Dagmar Geidel in New York)
- Oliver Wendell Holmes (by "Ahmed" in Our Mystic Circle)
- Harold Stassen (by Mrs. Paul Stein in New York) Richard Milhaus Nixon (by A. Ross Eckler in The
- Charles De Gaulle (by Walter G. Leight in New
- Sherlock Holmes (by Seth G. Landon in The Eniama)
- Howard Cosell (by Marjorie Friedman in The Fniama)
- Machiavelli (by Mary Hazard in *The Enigma*)
 Jacqueline Kennedy Onassis (by Marjorie Friedman in Word Ways)
- Ralph Waldo Emerson (by Harry C. Vansant in The Eastern Enigma)
- Theodore Roosevelt (by "Primrose" in The Eastern Eniama)
- Dwight David Eisenhower (by Mary Hazard in Word Ways)
- Lee Harvey Oswald (by David Shulman in The Enigma)
- Eddie Cantor (Anon.)

17. Oscar Wilde (by A. R. Papa in New York)

Photo credits: All photos are from FPG, except: Cosell from Wide World; Machiavelli, Bettmann Archive; Onassis, Globe Photos; Oswald, Wide World; and Wilde, Bettmann.

Fake Advertisement

The "Fake Ad" announced in the Table of Contents was for the Lifetime Scoreboard and appeared on page 18

From July/August Scavenger Hunt, page 30

The 15 swatches of type and illustrations were taken from the pages of the July/August issue listed below. To discover the "prize," you had to add and subtract the page numbers as indicated and turn to the page matching your final answer.

6. -26 = 621 12. +40 = 131+45 = 667. +53 = 59-49 = 17 8. -32 = 27+11 = 28 9. - 2 = 25 13. +35 = 16614. -63 = 10315. -57 = 46

+ 4 = 32 10. +65 = 90Many of our readers thought "Scavenger Hunt" was a contest and wrote to us to claim their prizes; funnily enough, most of those requests came from readers whose miscalculations led them to expect such rewards as a gold medal ("Desk Jockey Olympics," page 14), a camera (based on the answer to 1-Down in "The World's Most Ornery Crossword," page 47), and even \$3,535.35 in cash (grand total in "The Value of a Dollar," page 28). But the correct answer, as shown above, was page 46, the page on which the "Easier Clues" for the Ornery Crossword appeared. And the real "prize" was a trophy—which could be found by turning the illustration of the Ornery Man upside-down.



"Winner's trophy" for the Games Scavenger Hunt: the Ornery Man turned upside-down.

From July/August Contest Results: Secret Message Update

After reporting the results of "Secret Message" (the Hidden Contest from March/April, page 41), we received replies from seven additional countries, bringing the final total to 95 states, territories, Canadian provinces, and foreign countries with winning entries. The additional winners, whose entries arrived too late for mention in the earlier report: Australia (Nancy Hall); Liberia (Curt Allen); Greece (Kathleen Hart); Malta (Tonio Fárrugia); New Zealand (R.A. Pavitte): Thailand (Jeff Sandel); and Paraguay (Scott Sanborn). Mr. Sanborn offered this apt postscript: "Have you ever tried sending anything from a third-world country? 'Secret Message' is not the way to address

For those of you who like the hunt, there's another hidden contest in this issue. . .

Cover Cryptoon

Customer: Is this tea or coffee? It tastes exactly like kerosene

Waiter: Then it must be tea, sir. Our coffee tastes like turpentine.

EUREKA

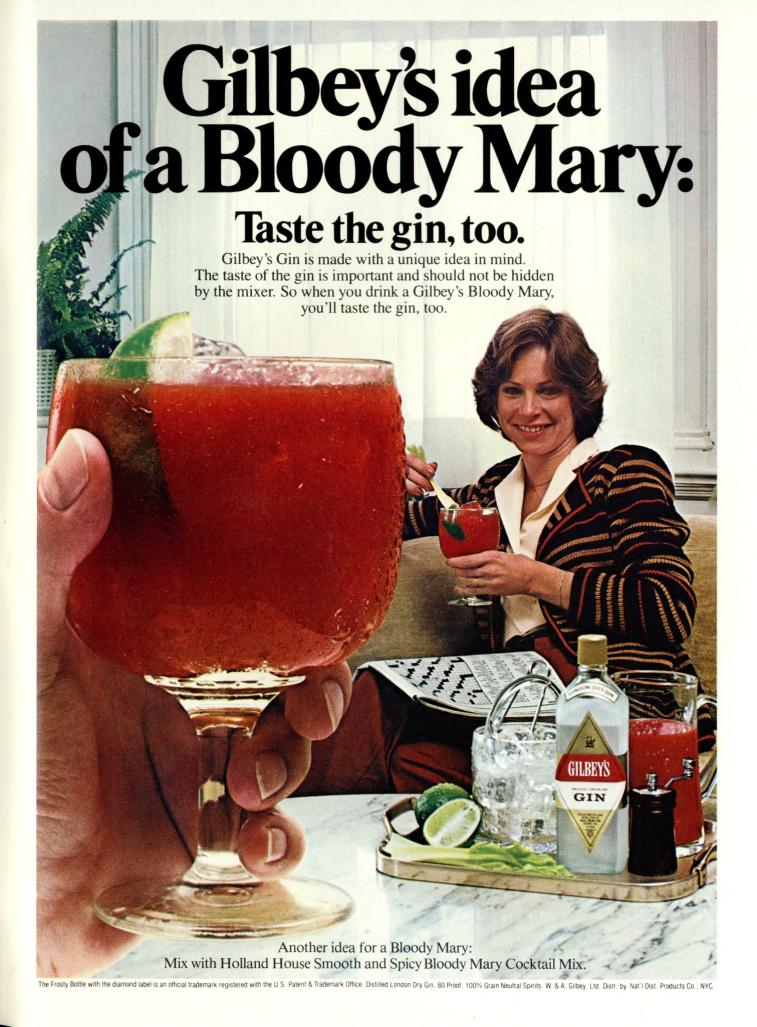
EUREKA is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.

- ★ Wild Cards (July/August, page 34). In response to Kent Cooper's challenge in "Private Games," Kyle Corbin of Raleigh, North Carolina, has found a number of longer words that can be typed with only one hand using normal fingering. Cooper's left-hand word STEWARDESSES is surpassed in length by SETTER-GRASSES and TETRAACETATES; while his right-hand word LOLLIPOP is betterd by JOHNNY-JUMP-UP, a flower that requires pressing the keys 14 times counting the hyphens, as well as miminy-PIMINY, NIMINY-PIMINY, NONNY-NONNY, HYPOLIMNION, KINNIKINNIK (also palindromic!), LIL-LYPILLY, NOLL-KHOLL, HOMOPHONY, MONOPHONY, PHILONIUM, and POOH-POOH. All of the words are found in Webster's Third.
- ★ Beguilers (January/February, page 10). The final word on the magic square (see both May/June and July/August Eureka) may belong to John Ferguson of Silver Spring, MD, who points out that 10 different solutions are possible in which the lower right-hand number is 8 and an entire diagonal consists of zeros. The 10 solutions can be summarized as follows, where x can be any whole number from zero to 9:

	1	9	8	0
I	9	X	0	9-x
I	8	0	9-x	x+1
I	0	9-x	x+1	8

As required in the problem, every row and long diagonal adds up to either zero or 18.

★ Lewis Carroll (July/August 1979). Gordon W. McConnell of Lakeside, CA, has taken the problem of finding three equal-in-area right triangles with whole number sides several steps further. He has found six different right triangles, each with an area of 146,569,945,737,600. The sides of these six triangles are as follows: 2,872,800-102,039,784-102,080,216; 9,025,632—32,478,600—33,709,368; 13,610,080-21,538,440-25,478,200; 17,321,920—16,923,060—24,216,500; 30.085.440-9.743.580-31,623,900; and 45,948,672—6,379,725—46,389,453. Whew!



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